

THE
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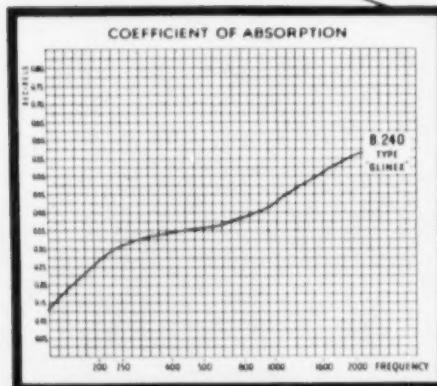
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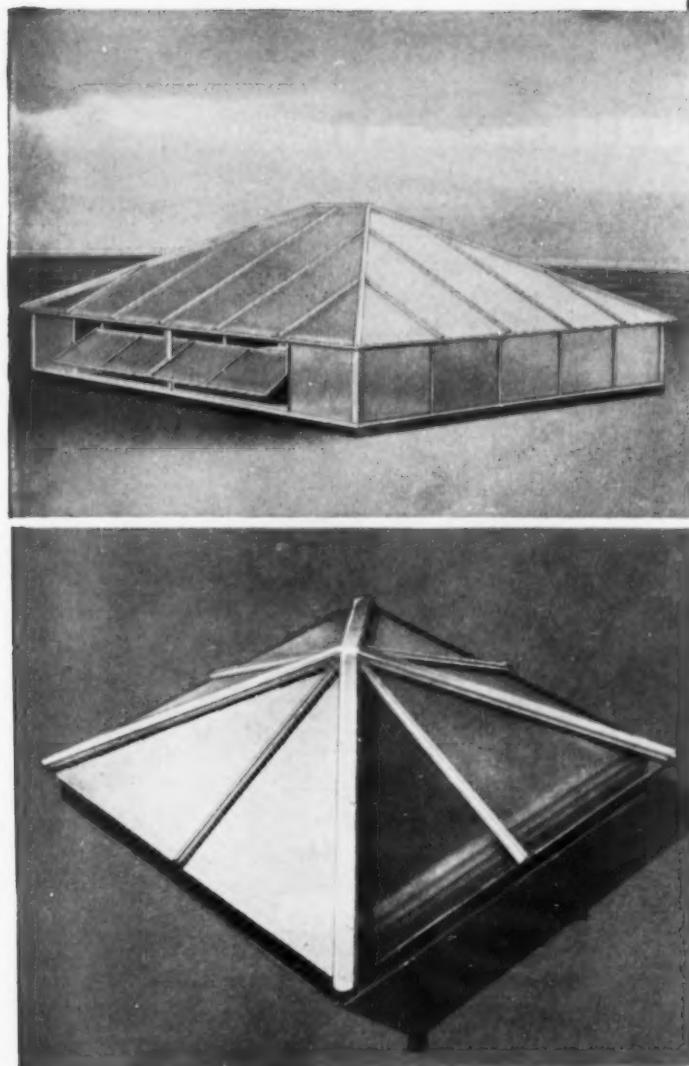
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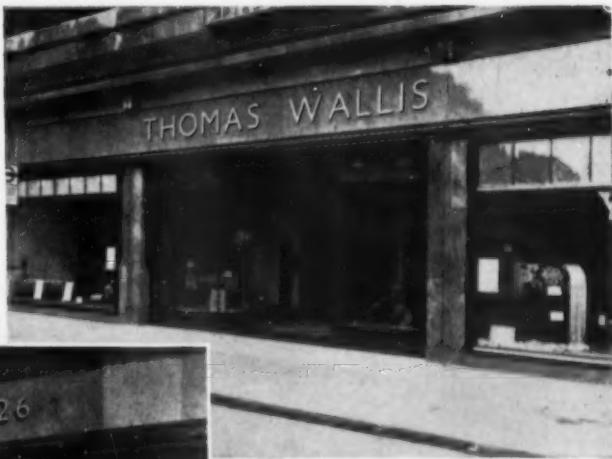
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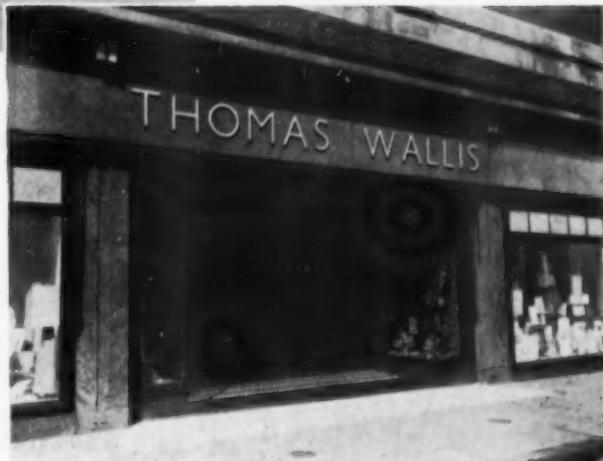


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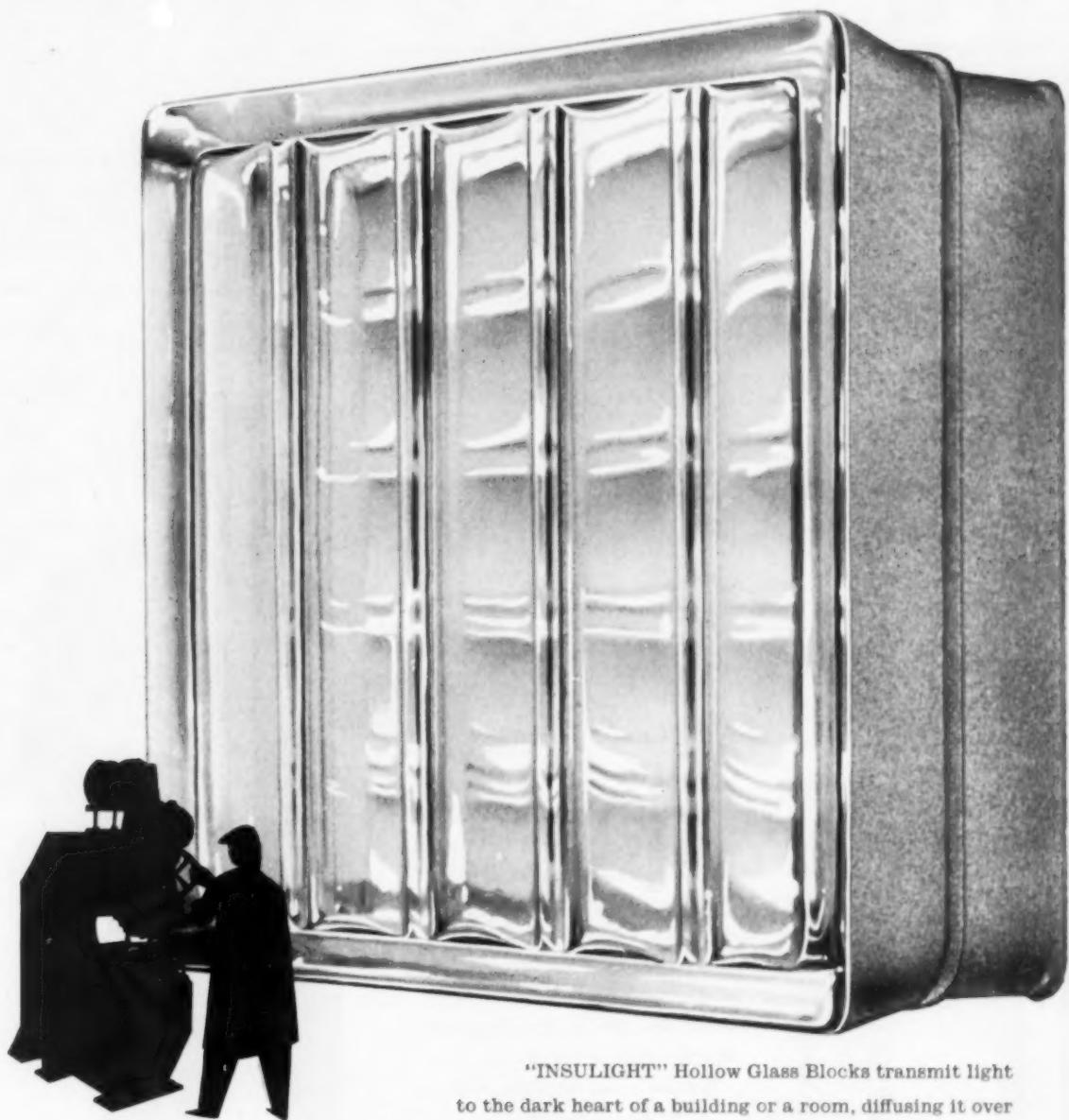
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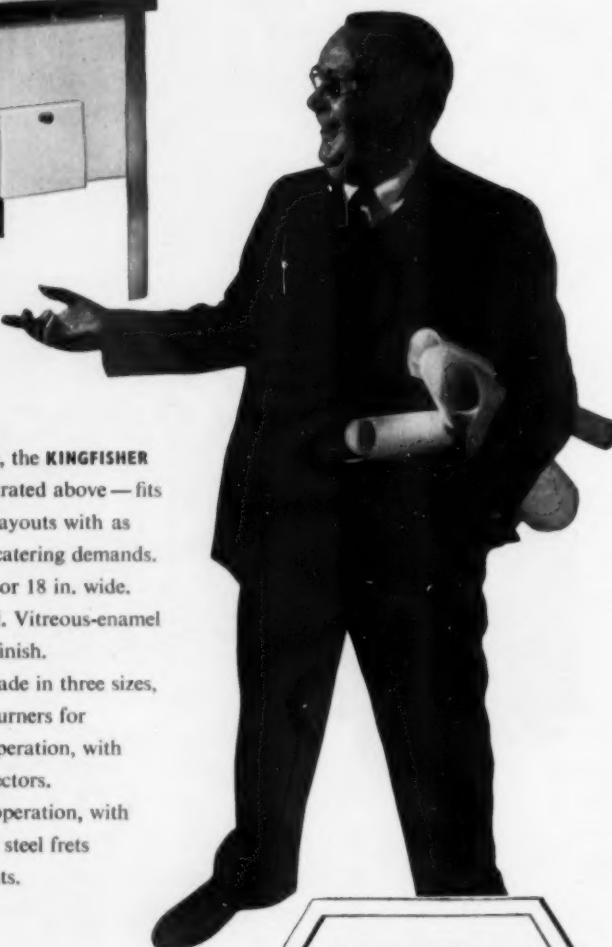


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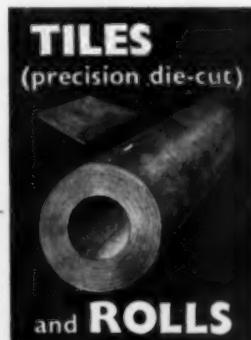
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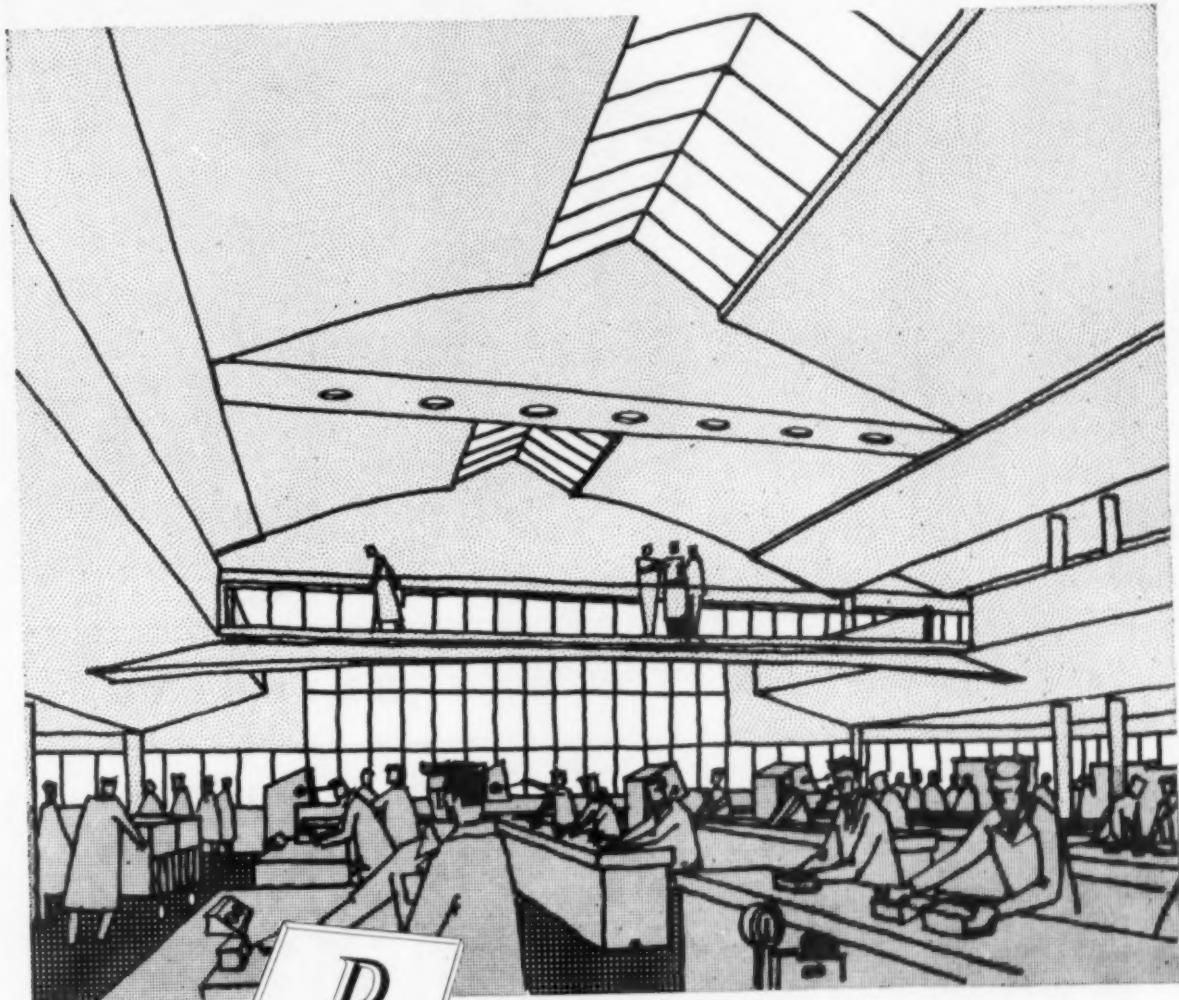
PATENT GLAZING

3. FACTORY INTERIOR

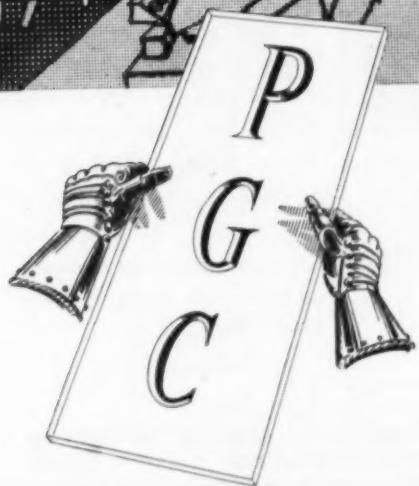
The importance of daylighting in a modern factory is now widely appreciated and new forms of construction are being adopted which give bigger unobstructed open space and allow greater flexibility of internal planning. One of the important developments in this connection is the use of shell concrete. The design illustrated shows that patent glazing can be used in conjunction with the new building techniques to provide a high level of daylighting, using both roof glazing and side wall glazing.

In this example, which illustrates one bay of a factory unit, the roof glazing consists of patent glazing bars with wired glass in fixed lights. Double glazing could be employed if additional insulation is required. The side wall glazing consists of patent glazing bars glazed with $\frac{1}{4}$ " glass with opening lights in suitable positions, operated by hand controlled gear.

SPECIFICATIONS



From a design by Edward D. Mills, F.R.I.B.A.



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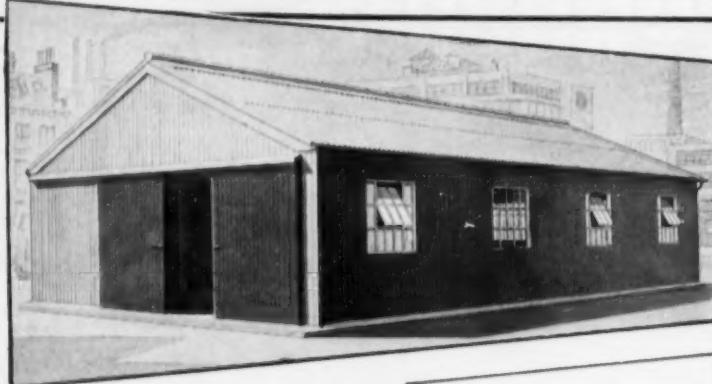


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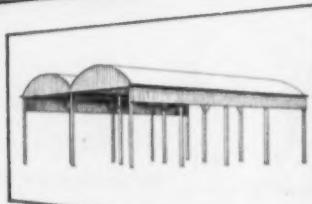
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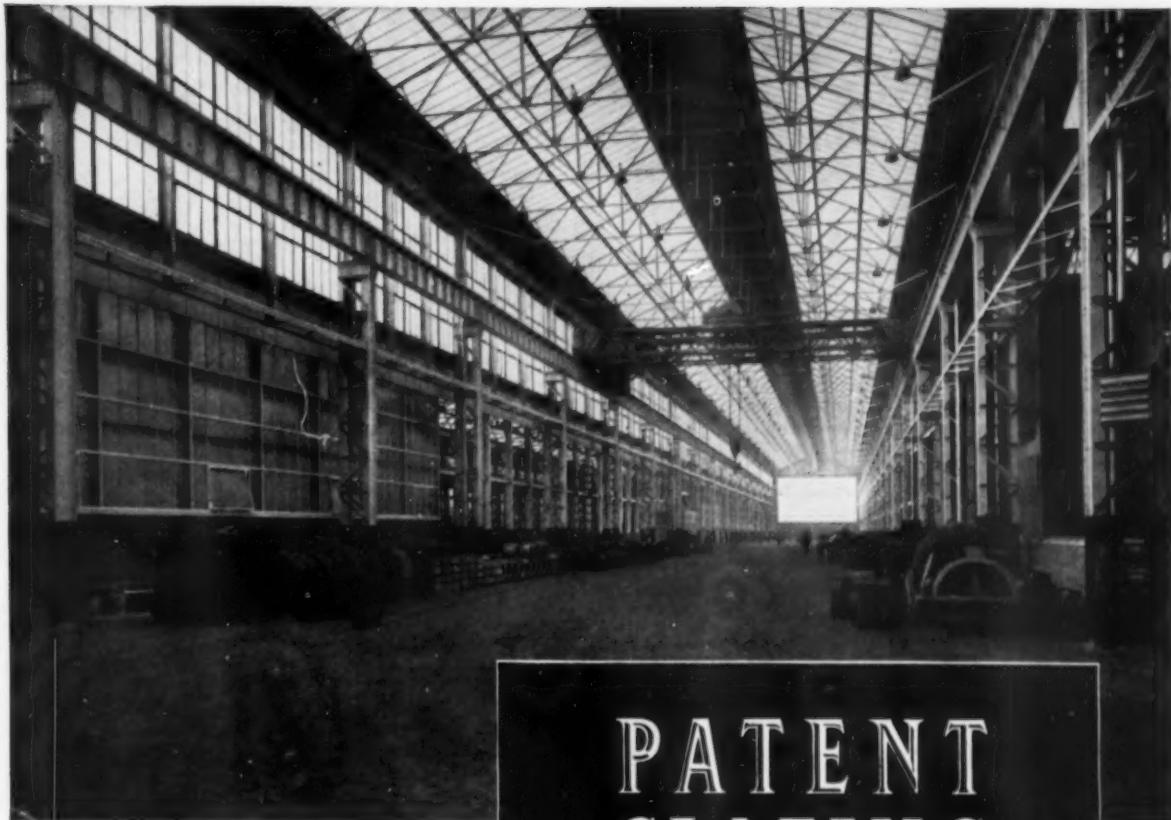
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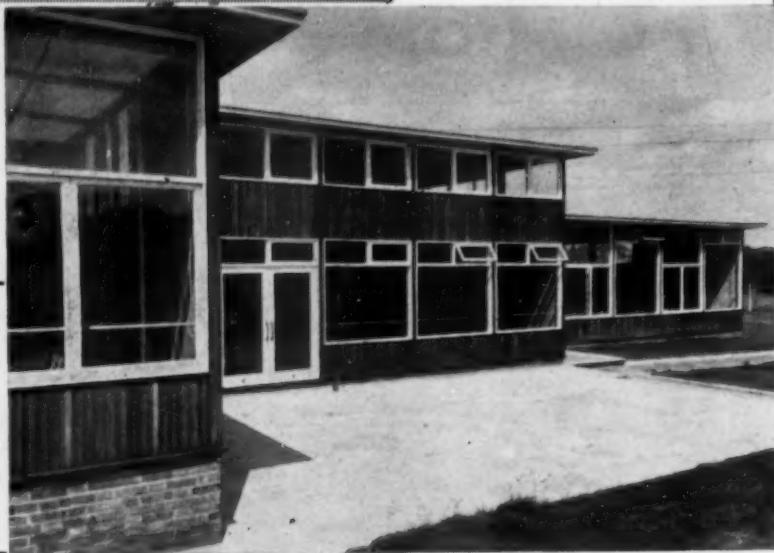
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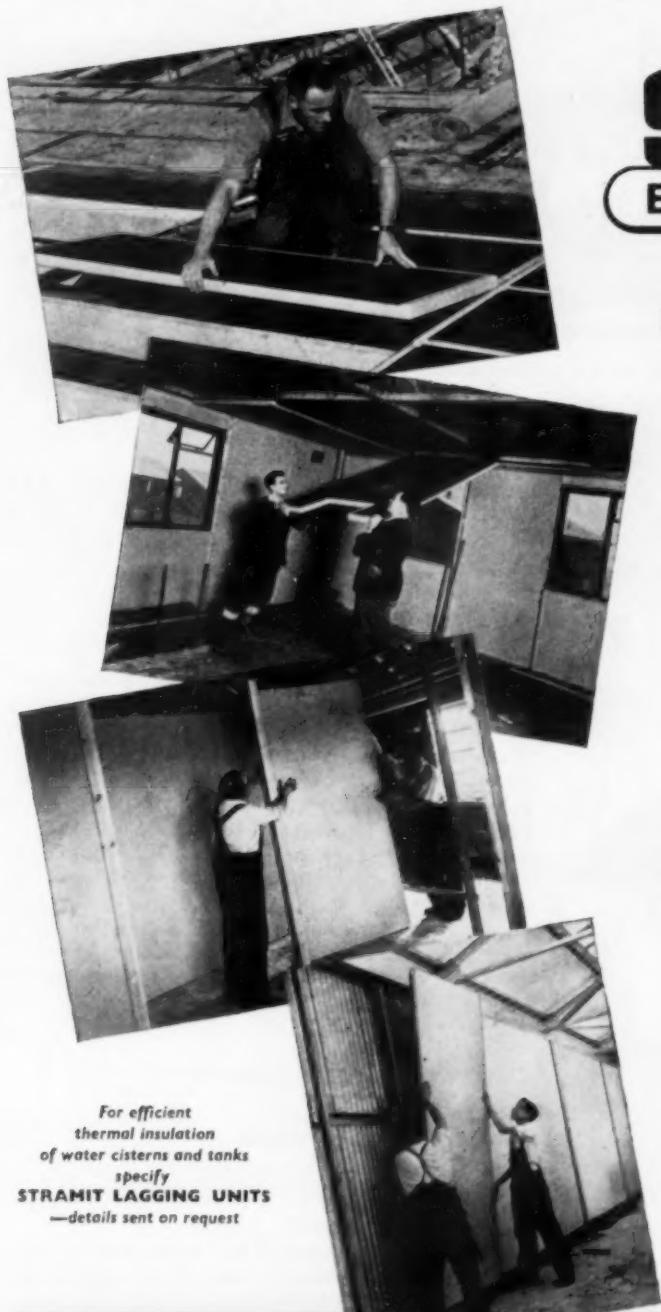
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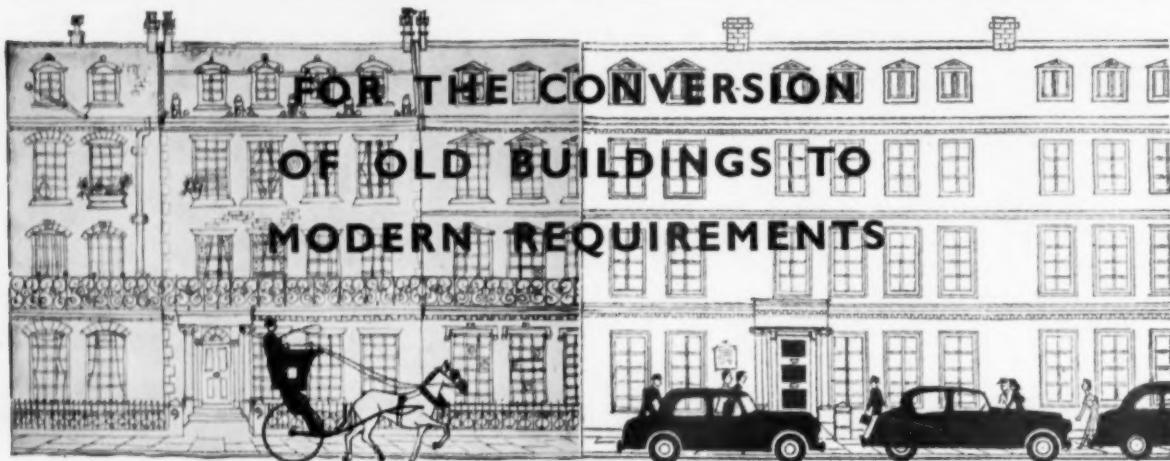
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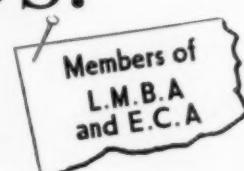
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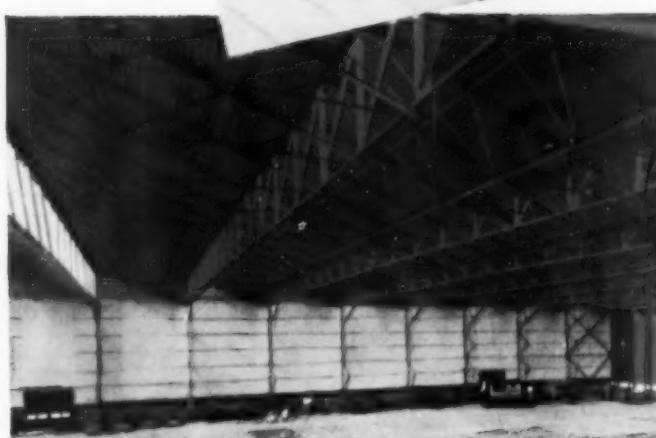
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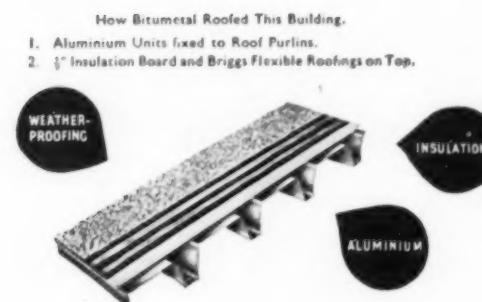
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THE REASON WHY

THE principal of the A.A. School, Mr. Michael Patrick, in his address before the School's Annual Prizegiving said among other things that "Architecture, unlike the other Arts does force itself upon the public. We have to live with it, whether we like it or not, and I am sure you will agree that we stand a better chance of liking it if we have some appreciation of what the designer is trying to say."

Mr. Basil Spence realizes this and, as mentioned by Abner, he has given up much of his time to giving lectures on the new Coventry Cathedral. Ideally, however, a building should speak for itself. An architect should dam his energies for his work as far as possible and reduce exposition to a minimum.

Recently on a visit to a modern building which was an addition to an older group, in grounds that had been opened to the public, a visitor was heard to say to her husband, referring to the new block, "I like that, it's artistic." This spontaneous, if unfortunately worded tribute, is the architect's reward, and was elicited without any explanation of the theories involved or problems and difficulties overcome. The compliment was not produced by any vulgarization or catch-penny effects, but solely by good proportion and the use of pleasant materials—which had not shown any obvious defects after several years.

The public are not a large number of identical individuals. Many people judge buildings by eye, and know what they like by the reaction of their senses. Others, more literally minded, need their interests aroused by word of mouth, just as they need to know what a ballet or an opera is about before they will watch or listen with any concentration.

In television there is a valuable medium for explaining what the designer is trying to say, but the televiwer is not a captive audience, he won't be bored. What is required is a programme to offset the kind of criticism like that levelled recently at the exterior design of new schools by a chairman of the governors at a school's annual prize-giving—he described them as appalling—"It is difficult to know whether one is looking at a school or a factory." Heigh-ho for the good old days when buildings looked different, when schools had that pseudo-ecclesiastic look that made the stomach sink, and factories were squalid brick prisons with no colour and not much light, no gardens round them or music while you worked.

Nevertheless, it is nice to know, even if only by reading a sign, what a building is for. And when people do know what buildings are for, they will understand better why they often look alike.

There are, however, often many reasons for design which must remain confidential between the architect and his client although they give the clue for comprehension.

A case in point: A client who was having a house built for himself was on a first-floor balcony watching a horse-race when the balcony railing collapsed precipitating him into a flower-bed twelve feet below. Experience teaching, he refused to allow his architect to introduce a similar arrangement in his new house. The design consequently is less interesting on one façade, as a nice piece of metal-work in front of a French window had to be omitted. There must be many other instances of features in buildings with curious and unguessable explanations—but in art "Qui s'excuse s'accuse."

EVENTS AND COMMENTS

MR. THOMAS TAIT

Looking back on Mr. Tait's life and work it seems to me very odd that he received no recognition for his undoubtedly great services to architecture. Many lesser figures have been so rewarded since the war. Mr. Tait was one of the few British architects of our time who had a personal style, although it is true that it was powerfully influenced by Willem Dudok. This is most clearly seen in his Burlington School for Girls and in the Curzon Cinema—and no one has yet done a better cinema in this country. The fine detailing of the North façade of the British Museum shows that Mr. Tait learned a lot from his apprenticeship to James Donald, who had worked as chief assistant to "Greek" Thompson in Glasgow. I believe that the Kodak building in Kingsway was one of Tait's first London buildings, although the job was carried out under the firm's name before his was added to it.

Mr. Tait was a firm believer in allowing his clients to have their say, and in respecting their wishes; if they wanted an imposing pile he was prepared to see that they got one.

And so one more of the great architectural figures of our time is gone; there are not many more. It seems that the profession of architecture now leaves no time for being a "figure." The mills of present-day practice roll everyone very flat.

BATHCHAIR OWNERS BEWARE!

No one will ever be able to say that Sir David Eccles was an idle Minister. A week or so ago he was again banging the table in the cause of sculpture and painting for the new City of London. He said in a speech at the Worshipful Company of Haberdashers' Dinner that too many City developers seemed to think that modern artists were the long-haired men or the short-trousered women whose works were nothing but ugly distortions. I hope this will not mean that only those sculptors wearing umbrellas and carrying tightly rolled bowler hats, and those painters dressed, and perfumed, by Dior, will be considered in the City of London.

Sir David's latest sally is to rewrite the Regulations for St. James's and the Green Parks. I am sure that in the eyes of the law this was both necessary and sensible. All the same, I am sorry that it has been done. One of the great charms of this country is the number of out-of-date rules and regulations to be found on public notice boards. A great many of these concern parks—the expression "horse" includes a mare, pony, ass and mule—and remind us that Londoners have not always been choked by diesel fumes although they may have been sickened by the smell of ammonia and horse droppings.

In the new regulations all the romance and odd wording is removed and the rules are, as a result, a good deal easier to understand. For example, on the subject of litter the old regulations say, "No person shall deposit, throw down or leave (otherwise than in receptacles provided for the purpose) in the Parks or any lake, pond, fountain or ornamental water therein, any dead animal or any bottle, tin, container, broken glass or crockery, waste paper or any refuse of any nature whatsoever."

while in Sir David's code it merely says that among the prohibited acts in the Parks is "Dropping or leaving litter except in a receptacle provided for the purpose." Under the old rules, cycling or driving furiously, recklessly, or on the wrong side of the road, was frowned upon, as was the introduction of rabid or mangy dogs into the Parks.

The easing of harsh regulations will be welcomed by many; for example, under the Eccles code you may use a stand camera to your heart's content and, perhaps most important of all, the regulation against driving bathchairs three or more abreast is dropped, but before you celebrate this great emancipation please be careful, dear readers, as the new regulations have not yet, I believe, come into force.

BRICKLAYING AND DESIGN

The Institute of Clayworkers has recently published the results of its competition, announced last autumn, intended to stimulate interest among young craftsmen in the skilful and artistic use of bricks. The competition was in two stages, the submission of designs on the set subject and then (by the ten selected finalists) the actual construction of their designs in brickwork. As one might expect, the final produced some excellent craftsmanship, but it also produced some very bad designs. I have often complained about the low standards of design which come from the craft schools and the bulk of the ten finalists' designs in this nation-wide competition serve to underline the importance of raising the standards.

This competition raises another question. It was for bricklayers and the subject was for an entrance to a garden. Many an architect might be expected to fall down on such a design in brick. Is it not, therefore, expecting rather a lot of a young bricklayer, particularly when, fresh in his trade, he will be anxious to include everything that he knows? It is interesting to note that the first prize went to the best design. It may sound odd to say this, but the best design was, in fact, the simplest, and had the fewest bricklaying "features." As it happened, the best design and very nearly the best craftsmanship went together. This, surely, was luck, for the worst designer in the preliminary competition might have been the finest craftsman, and surely we want fine craftsmen, not artistic bricklayers?

PROFESSOR RACHEL SHALON

I had a few words last week with Professor Rachel Shalon, who was over here to buy scientific equipment for the Israel Institute of Technology (Technion) where she is Associate Professor of Civil Engineering. Professor Shalon, a handsome vivacious woman, is also Head of Technion's Building Research Station and editor of *In the Field of Building*. She has been on a visit to other building research departments in Switzerland and Scandinavia, and renewed her acquaintance with her colleagues at the B.R.S., Watford, whose work, and also that being carried out at the Cement and Concrete Association's Research Laboratory, she thinks highly of.

Her own work is in the field of cement and concrete—she gave a paper at the Concrete Symposium in London

in 1953—and is carrying out tests to discover the qualities in concrete that might prevent corrosion of the steel reinforcement. I gathered that accelerated tests were not entirely reliable and that it might take a long time. I wish her success and hope to hear more about it.

Professor Shalon told me that there is a good deal of give and take during lectures at the Technion. The professor lecturing does not expect a quiet and passive student audience. They can question him if they think his remarks are not consistent with their text-books, and he can question them to find out if they have done their required reading, all during the "lecture." The Technion itself, an Institution for the application of research and for training scientists, town planners, architects, engineers of all kinds, geologists, etc., is much too small for its purpose, as there is a serious shortage of qualified technical men in Israel, and half the applicants have to be turned away each year.

A new "Technion City" has therefore been planned by Technion's Professor Alexander Klein, on a site on the slope of Mount Carmel, described by Sir William Holford, who acted as planning consultant, as "One of the most magnificent (sites) in the world."

THE IDEAL HOME

To remind you how quickly the year is passing, the *Daily Mail* announces that the Grand Hall at next year's Ideal Home Exhibition at Olympia is to be decorated by Mr. Malcolm Haylett, a painter from St. Ives. He was appointed as the result of a limited competition. The press notice, while refraining from describing Mr. Haylett's scheme, becomes quite lyrical about its general atmosphere. It says: "It is a brilliant conception, full of colour and sharp original conceivings, shaping the vast Hall into a form and atmosphere so different from the formal world outside that it will command a joyous response." I dole on sharp original conceivings.

FRANKLY SPEAKING

I am sorry that my note about Basil Spence should have provoked Mr. C. W. W. Thompson's outburst published last week. I think Mr. Thompson's letter goes a little far, for does it not suggest that Mr. Spence is breaking the Code of Professional Conduct by allowing himself to be interviewed by the B.B.C.? As a piece of architectural criticism, the letter is hardly a serious contribution. Mr. Thompson asks whether radio interviews with architects tend to impress or enhance our professional prestige in the eyes of the public. I would answer that by asking Mr. Thompson whether he thinks that solicitors or doctors write letters like his to their professional journals?

READERS' GUIDE TO ARCHITECTURE

The Library Association is to be congratulated on its recently published *Readers' Guide to Architecture*. It is No. 23 of a new series of guides and covers all aspects of the subject. It includes most of the well-known books. If the R.I.B.A. bibliographies are too frightening to begin on, here is an excellent introductory book list for student architect or interested layman.

A B N E R



The CAP system of mechanical car parking recently introduced by CAP Parking Systems Ltd., 10 Manchester Square, W.I., is an attempt to fit as many cars as possible into a given space and at the same time ensure that each car can enter and leave its parking ground with the minimum delay.

Briefly the system is that there is a row of parked cars, bumper to bumper, on either side of a 7ft one-way drive corridor, with as many rows and corridors as space will permit. The cars drive on to hydraulically controlled platforms or dollies which, by operation of a switch, move the car sideways into its parking position within 12 seconds. There is no question of turning or manoeuvring and the car can be brought back into the drive-off position merely by pushing down the switch. Each car has its own platform which is moved by a hydraulic ramp and in the event of the power unit failing, the attendant can disconnect the ramp and push the car into drive-off position.

The inventor, Mr. H. C. Trench, claims that, compared with the methods of 45° and 90° parking, an increase of 40 per cent in the number of cars parked per acre can be effected. It is estimated that the cost of installing each platform together with its switch unit will be £115-£130.

R.I.B.A. COUNCIL, 1954-1955**President:** C. H. Aslin.**Past Presidents:** Sir Howard Robertson, Sir Percy Thomas.**Vice-Presidents:** E. D. Jefferiss Mathews, S. Rowland Pierce, F. Charles Saxon, Basil Spence.**Honorary Secretary:** Kenneth M. B. Cross.**Honorary Treasurer:** Thomas E. Scott.**Members of Council:** Professor Sir Patrick Abercrombie, Hubert Bennett, Dr. Ronald Bradbury, The Hon. Lionel G. B. Brett, Sir Hugh Casson, J. Murray Easton, A. G. Sheppard Fidler, Professor R. J. Gardner-Medwin, Frederick Gibberd, Professor Sir William Holford, Leonard C. Howitt, Dr. John Leslie Martin, S. Rowland Pierce, Richard H. Sheppard, Basil Spence, C. G. Stillman, Ralph Tubbs, F. R. S. Yorke.**Associate Members of Council:** W. A. Allen, G. Grenfell Baines, Eric Bedford, D. E. E. Gibson, P. E. A. Johnson-Marshall, S. A. W. Johnson-Marshall, Professor R. H. Matthew, Peter F. Shepheard, J. Lewis Womersley.**Licentiate Members of Council:** Bernard H. Cox, S. Vincent Goodman, Gwyn H. Morris.**REPRESENTATIVES OF ALLIED SOCIETIES IN THE UNITED KINGDOM OR THE REPUBLIC OF IRELAND.****Six Representatives from the Northern Province of England:** Professor W. B. Edwards (Northern Architectural Association), G. B. Howcroft (Manchester Society of Architects), W. H. Glen Dobie (Liverpool Architectural Society), Allanson Hick (York and East Yorkshire Architectural Society), Norman H. Fowler (West Yorkshire Society of Architects), H. A. Hickson (Sheffield, South Yorkshire and District Society of Architects and Surveyors).**Five Representatives from the Midland Provinces of England:** S. T. Walker (Birmingham & Five Counties Architectural Association), C. C. Ogden (Leicestershire and Rutland Society of Architects), H. D. Williams (Northamptonshire, Bedfordshire and Huntingdonshire Association of Architects), F. Hamer Crossley (Nottingham, Derby & Lincoln Society of Architects), B. W. J. Olley (East Anglian Society of Architects).**Six Representatives from the Southern Province of England:** J. Vyvyan Salisbury (Devon and Cornwall Society of Architects), Robert J. Potter (Wessex Federal Society of Architects), David Booth (Berks, Bucks and Oxon Architectural Association), J. B. Brandt (Hampshire and Isle of Wight Architectural Association), Harold Milesen (Essex, Cambridge and Hertfordshire Society of Architects), Graham Crump (South Eastern Society of Architects).**Four Representatives of Allied Societies in Scotland:** nominated by the Council of the Royal Incorporation of Architects in Scotland: Thomas S. Cordiner (Glasgow), W. A. P. Jack (Glasgow), L. Grahame MacDougall (Edinburgh), T. W. Marwick (Edinburgh).**One Representative of Allied Societies in Wales:** L. R. Gower (South Wales Institute of Architects).**Two Representatives of Allied Societies in Ireland:** Liam P. Tierney (Royal Institute of the Architects of Ireland), R. S. Wilshere, Royal Society of Ulster Architects.

It is financed by a grant from the Ministry of Works.

The photographic library is arranged topographically, county by county, and is open, free of charge, to members of the public and to official bodies for reference and study purposes.

Though similar libraries exist on the Continent, the National Buildings Record is the only one of its kind in this country.

CORRESPONDENCE**Electric Floor Warming***To the Editor of A. & B.N.*

Sir,—If the recent correspondence in your pages on Electric Floor Warming has proved anything it has shown very clearly that the word "efficiency" needs very precise defining if the relative efficiencies of various types of heating installations are to be compared.

A good deal of somewhat acrimonious discussion would have been avoided if in this case the protagonist of solid fuel had followed the lead set by Mr. Moule in his Paper and given the calculated heat loss and consumptions of solid fuel for a number of modern school buildings.

It is well known that fuel consumptions cannot fairly be compared on a cubical content or a floor area basis but as the Heating Engineer bases all his calculations on the building heat loss, it would appear to be quite reasonable to compare the annual fuel consumption per unit of calculated heat loss for buildings of similar periods of occupation.

It is vitally important to realize that whilst one can fairly compare school with school or office block with office block by this method, one cannot compare school with office block.

It is a great pity that more information on fuel consumptions and calculated heat losses is not available and the investigator is severely handicapped by the difficulty of obtaining the calculated heat loss of the building he is dealing with. It would be a very great help if Architects were to file details of the calculated heat losses obtained, of course, from the Heating Engineer, of all the buildings for which they are responsible.

I am, etc.,
E. M. ACKERY.**External Examinations***To the Editor of A. & B. N.*

Sir,—In answer to Mr. Taylor's article in the issue of July 22 re R.I.B.A. External Examinations, I, and I think most students, have noticed, as Mr. Taylor points out, that only one-third passed the R.I.B.A. Intermediate Examination held from May 7 to 13, 1954. Most of the students have also noticed that in the results of every

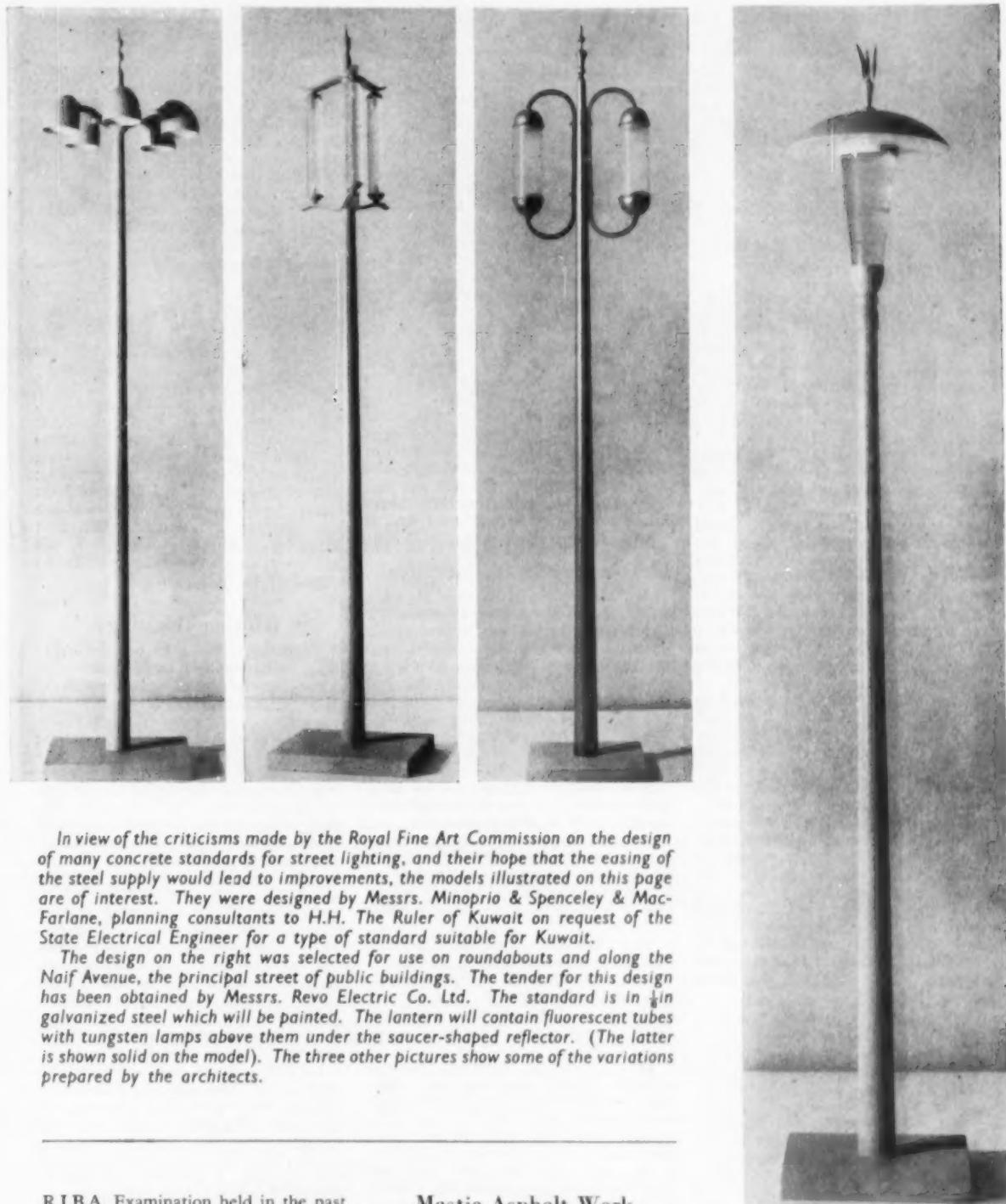
National Buildings Record

The National Buildings Record has now moved to 31, Chester Terrace, Regent's Park, London, N.W.1 (Telephone: Welbeck 0619) from premises in Onslow Gardens, South Kensington, which it had occupied since 1945.

The move has meant package and transference of a library of nearly half-a-million photographs and measured drawings and more than 250,000 glass negatives of historic buildings in England and Wales. Not one of the glass negatives was broken in transit.

Among these negatives are the only existing visual records of many important buildings which have been demolished during the present century as a result of social changes and, latterly, war damage.

The National Buildings Record was established in 1941 (in which year it was housed at All Souls, Oxford), under the direction of an Advisory Council whose present chairman is James G. Mann, Hon.V.P.S.A., F.B.A.



In view of the criticisms made by the Royal Fine Art Commission on the design of many concrete standards for street lighting, and their hope that the easing of the steel supply would lead to improvements, the models illustrated on this page are of interest. They were designed by Messrs. Minoprio & Spenceley & MacFarlane, planning consultants to H.H. The Ruler of Kuwait on request of the State Electrical Engineer for a type of standard suitable for Kuwait.

The design on the right was selected for use on roundabouts and along the Naif Avenue, the principal street of public buildings. The tender for this design has been obtained by Messrs. Revo Electric Co. Ltd. The standard is in thin galvanized steel which will be painted. The lantern will contain fluorescent tubes with tungsten lamps above them under the saucer-shaped reflector. (The latter is shown solid on the model). The three other pictures show some of the variations prepared by the architects.

R.I.B.A. Examination held in the past few years only about one-third of the candidates have managed to get through.

Is this coincidence?

It would be interesting to know the percentage passes 20 years ago when Mr. Taylor sat the exam.

I am, etc.,
THOS. B. DWYER,
Student, R.I.B.A.

Mastic Asphalt Work

The City and Guilds of London Institute have prepared a two-year part-time course in Mastic Asphalt Work, which is primarily intended to meet the needs of apprentice mastic asphalt spreaders concerned with roof work, flooring, paving, damp-proofing, tanking and hand-laid asphalt for roads. The scheme is framed with

the object of supplementing students' industrial training and experience and it is recommended that courses should be arranged in close consultation with representatives of local industry. The examination, which will be of Intermediate standard, will be held annually, and will be first offered in 1955. In the light of experience gained in

the operation of this scheme, the Institute will in due course give consideration to the provision of a Final examination in this subject. Full particulars of the scheme may be obtained in pamphlet form from the City and Guilds of London Institute, Department of Technology, 31, Brechin Place, South Kensington, London, S.W.7, price 6d.

IN PARLIAMENT

Bricks : Numbers, Kinds and Prices

The Minister of Works told Mr. G. Jeger that the monthly average production of bricks this year was 603 millions. No strictly comparable figure for 1938—for which Mr. Jeger had also asked—was available. Mr. Jeger said the Monthly Digest and Statistics gave the 1938 average as 650 million, and he was inclined to query it. Was it only a tentative figure? Sir David Eccles said that was his own view, that the 1938 figure was not based on adequate examination.

Mr. Jeger asked how many different varieties of bricks were in current use, and the number of each kind being produced. Sir David Eccles told him that he thought there were some 2,000 varieties. Flettons accounted for one-third of the national output and about 7,500 million bricks. Mr. Jeger would not expect him to give figures for the other 1,999 varieties.

About prices, Mr. Jeger wanted to know how many increases there had been in the past three years, what the amounts were, and how far all types of building bricks had been similarly affected. Sir David Eccles pointed out that hundreds of firms produced bricks of many varieties. Without lengthy inquiries the information desired could not be obtained. Mr. Jeger said he was not really concerned with the specialist bricks so much as those in popular demand, like Flettons. Could he not have some information about those? Sir David Eccles said that if he was asked about a particular brick he would try to find out the price ranges. (July 27.)

—And Cement

Mr. Peter Freeman renewed the complaint of continuing shortage of cement for urgent building work in Newport, and Sir David Eccles repeated the reply that the industry was arranging to increase deliveries in South Wales and Monmouthshire. Mr. Freeman said the matter had been raised five or six times this year, and always improvement had been promised but the situation steadily deteriorated. Could the Minister take some more effective action to ensure that 10 or 12 contractors could get on with the work of building houses and institutions. Sir David Eccles said he very much hoped that these increased deliveries would be sufficient. For example, in the first three weeks of July, 38,800 tons were delivered, com-

pared with 34,000 tons in the same period last year. If deliveries went on like that he thought the shortage would be cured. (July 27.)

Corrosion of Pipes

Mr. Mikardo asked how many persons were engaged, and how much money was being spent in the current year, on Government-sponsored research into the problems of corrosion of buried pipes. Mr. Bevins, Parliamentary Secretary to the Ministry of Works, answering on behalf of the Lord President of the Council, said that about six people were employed and the annual cost of the research was about £6,000. Mr. Mikardo said it had been estimated that the cost of underground pipe corrosion was about £5,000,000 a year. The work was progressing slowly because there was not sufficient staff. Was the Minister satisfied with this? Mr. Bevins replied that the work at the Chemical Research Laboratory on this subject was part of a large programme of research into corrosion generally. He did not disagree with the comment that it was an important matter economically, and it would not be lost sight of. (July 27.)

House Purchase Facilities

Mr. Macmillan, Minister of Housing and Local Government, informed Sir Ian Fraser that 332 local authorities in England and Wales had agreed to help would-be house purchasers who could not find the deposit ordinarily required by a building society by adopting the two guarantee schemes recently introduced. He had asked 37 authorities who had said they did not propose to operate the schemes to reconsider the matter. As the schemes had only been in operation just over two months he thought these figures were satisfactory. In the autumn he hoped to hear from more authorities that they had decided to use the two guarantee schemes to help men in the £11-£14 a week group who wanted to own their own houses. (July 26.)

Mr. Marples, the Parliamentary Secretary, told Mr. Mulley that in the year ended March 31, 1953, there were 975 local authorities in England and Wales (out of 1,531) who had made loans to prospective house purchasers. (July 27.)

Mr. Mulley said that many building societies were unwilling to make advances to purchasers of pre-fabricated houses, and asked if the joint guarantee scheme could be applied to such houses. Mr. Marples replied that it was never the Minister's intention that the arrangement should be limited to traditional houses, and he hoped that those who wished to buy "new tradition" houses would receive proper consideration, but he could not interfere with the discretion of building societies. (July 27.)

Standards Protest

Mr. G. Thomas asked how many protests had been received from local authorities against the restrictions on

the quality of houses they were permitted to build, and how many had stated their belief that these houses would be slums in a short period. Had the Minister considered a report on the state of houses built at Brighton during the past three years? Mr. Marples said the answer to the first two questions was "None." The Minister had seen Press reports and allegations made at meetings of the Brighton Housing Committee and the Town Council. He was looking into them, although he had not yet received any representations from the Council (July 27).

New Town Sales

A reply by Mr. Macmillan to Mr. Finlay gives the numbers of houses and sites sold to private owners by development corporations for each of the new towns since August, 1952. These have been:—Bracknell, one house and three sites; Crawley, seven houses and three areas for 202 houses; Cwmbran, 23 sites; Harlow, one house; Hemel Hempstead, one house and six sites; Stevenage, two sites; Welwyn Garden City, 19 houses and 82 sites; Hatfield, 28 houses and 29 sites. In all other cases there have been no sales. (July 29.)

"Whither Building?"

Some 80 representatives of occupations connected with building attended a conference held at Bournemouth on June 12, 1954. There were four papers on changes in design, materials and processes, their effects on craftsmanship, and consequences for technical colleges.

Bournemouth Education Committee co-operated with the Southern Regional Council for Further Education in arrangements for the course which was opened by Alderman F. B. Summerbee, Chairman of the Bournemouth Education Committee.

Chairman for the morning session was Mr. W. S. Jones, M.I.O.B., President of the Southern Counties Federation of Building Trades Employers, and the two speakers in this session were Sir Thomas Bennett, K.B.E., F.R.I.B.A., F.R.S.A., on "Architectural Design, Building and Training," and Mr. Stanley Meyrick, Dip.Arch., A.R.I.B.A., of the Building Research Station, on "Materials and Processes."

In the afternoon the Chairman was Sir Luke Fawcett, O.B.E., and the speakers were Mr. Norman Longley, C.B.E., M.I.O.B., Hon. Treasurer and Past President of the National Federation of Building Trades Employers, on "Building Productivity," and Mr. William J. Martin, National Organizer of the Amalgamated Society of Woodworkers, on "An Operative's Point of View."

A report on this course is now available and a limited number of copies can be obtained from the Secretary of the Southern Regional Council for Further Education, 22, The Forbury, Reading, Berks.



A "Derwent" School—Hawkesley Farm—see pages 157-161

DERWENT CONSTRUCTION FOR SCHOOLS

Progress Report by SAMUEL MORRISON, A.R.I.B.A.

consulting architect for Derwent System

ALTHOUGH the design and development of Derwent commenced in the spring of 1952, it was not until just over a year ago that the manufacturers went into production and it is only now that the real harvest can be seen. Seven full-size schools and numerous smaller units are in use and a considerable number of jobs in progress on the ground. About 30 Education Authorities have adopted the system, some for very large programmes, and Derwent schools are springing up all over the British Isles. The time, therefore, appears opportune for a brief progress report and an attempt to measure the success of the enterprise.

The Target

The target set by designers and manufacturers was modest enough. It was to produce a fully flexible "meccano set" incorporating a high degree of prefabrication of some architectural quality, quick to erect and at a price as low as was consistent with educational needs. The keynote of the development was to be simplicity. No dramatic efforts were aimed at, but special attention was devoted to lightness of effect, careful detail and finish and good proportions.

Teething Troubles

The system has proved remarkably free from the teething troubles normally associated with a development of this kind and there have been no material changes since the prototype was produced in the autumn of 1952. In particular, the 2-storey work, where considerable difficulties had been anticipated, has produced no troubles of any kind. One of the earlier problems was slight shrinkage in the units, which although unimportant in most respects, tended to impair the standard of finish. The moisture content of the timber was carefully controlled during manufacture, but if erection took place in wet weather, control was impossible. When subsequently the heating system was operated and the units dried out, shrinkage was inevitable. This trouble has been overcome by various measures—more careful protection of the units—adjustment of

tolerances—tighter fit up of components and the withholding of internal linings until the structure has had time to dry out.

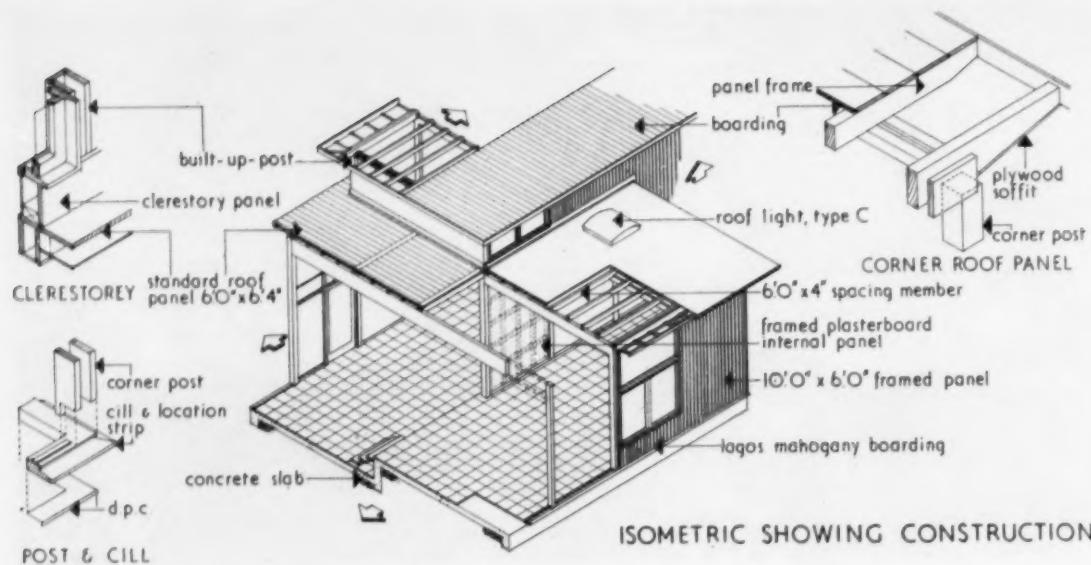
In early schemes some difficulty was experienced over the jointing of the recessed edge plasterboard lining. The technique of filling the joint was somewhat modified and it is now considered that, given adequate workmanship, this material is entirely satisfactory. The joint is quite invisible, no troubles with cracking have been encountered and the finished lining provides a surface well suited to receive any normal decorations.

There have been some misgivings about the treatment of the external mahogany weather-boarding. Hitherto this has been given two or three coats of linseed oil. This has been moderately satisfactory and has certainly brought out the rich quality of the timber, but it has tended to collect dust and the indications are that more frequent maintenance would be required than had been anticipated. A considerable amount of research has been carried out, both in the field and in the laboratory and an entirely new finish has been devised which, it is believed, will enhance the appearance and greatly reduce the maintenance problems.

Some doubts have been expressed over the opening lights in the taller panels. These lights are very large and the ironmongery originally intended is possibly inadequate. Friction stays are now being fitted and a new type of espagnolette bolt developed, which it is hoped will overcome this difficulty.

Cost and Quality

As has already been mentioned, the main object of the Derwent development was to produce a system of building at the lowest price that was consistent with reasonable performance and quality. The target originally set was 25s per square foot floor area for the complete superstructure, including joinery, glazing, roofing system, rainwater goods, internal partitions, ironmongery, etc., and it has been possible to adhere to this figure with remarkable consistency. The price variations falling between 24s 8d and



The normal procedure for using the Derwent system is to prepare sketch plans on a 6ft 4in grid. Schedule of internal panels is shown on this page, scale 16ft to 1in. Glass panels and door frames form an integral part of the panel.

Derwent Construction for Schools

Progress Report

25s 4d. The chief factors affecting the cost are the complexity of the scheme in terms of plan and changes of level, the number of roof lights introduced and the extent of glazing in plate glass.

In spite of considerable increases in the costs of both labour and materials, efficient production methods and a substantial programme have enabled the manufacturers not only to adhere to the cost target, but also to pass on to the consumer a number of improvements and modifications at no extra charge.

The carcassing timbers are in selected Swedish red and white softwood of a quality which compares favourably with that used in joinery before the war. The doors, windows, etc. are in best quality Douglas Fir and this timber is also used in the structural elements. All timber members whether visible or hidden are machined to a degree of accuracy and finish normally associated with joinery prepared for painting.

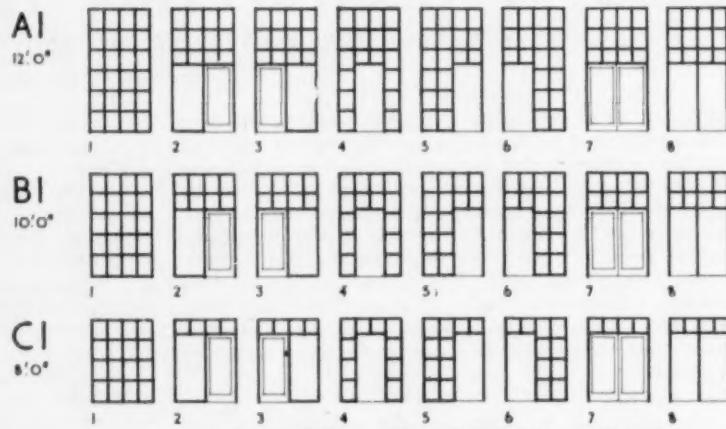
Numerous modifications such as an improved eaves detail, the use of a teak cill, the development of a special non-slip

threshold, etc., are being introduced and it is fair to say that as production advances, the cost is being maintained and the quality improved.

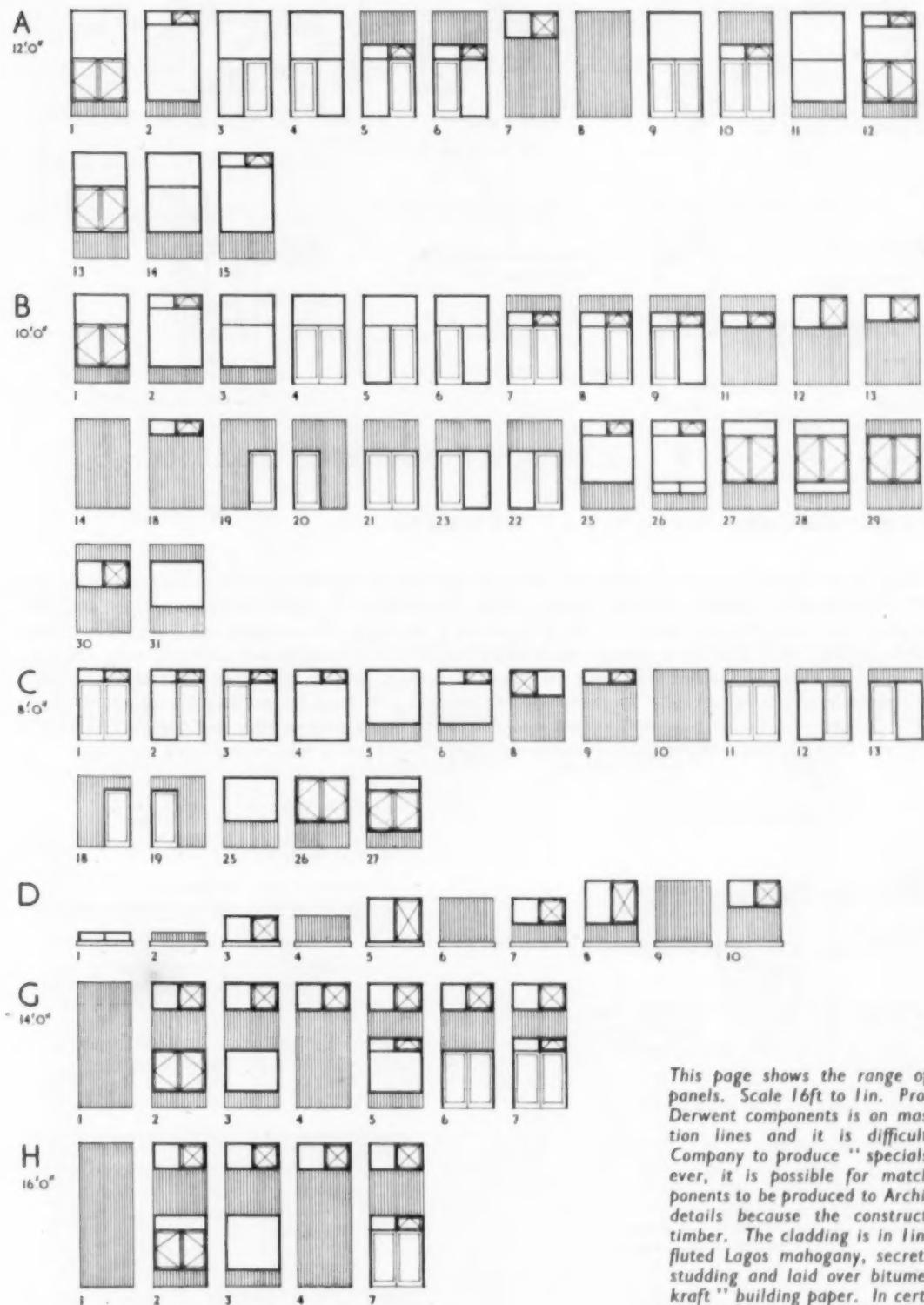
Production continues to expand, and at the present rate delivers one school each week of the size of Hawkesley Farm. To achieve this output it has been necessary to carry out a certain amount of expansion and rearrangement at the works. New factory and storage space has been erected, more modern mechanical handling plant introduced and additional wood-working machinery of the most up-to-date pattern installed. Apart from the expansion in space and plant, additional teams of skilled workmen have had to be recruited, particularly to deal with erection.

The Dimensional Scheme

In practice the horizontal module of 6ft 4in and the vertical module of 2ft have worked well. Sizes of rooms and corridor widths are suitable and economical for school planning and most designers have found that the system has

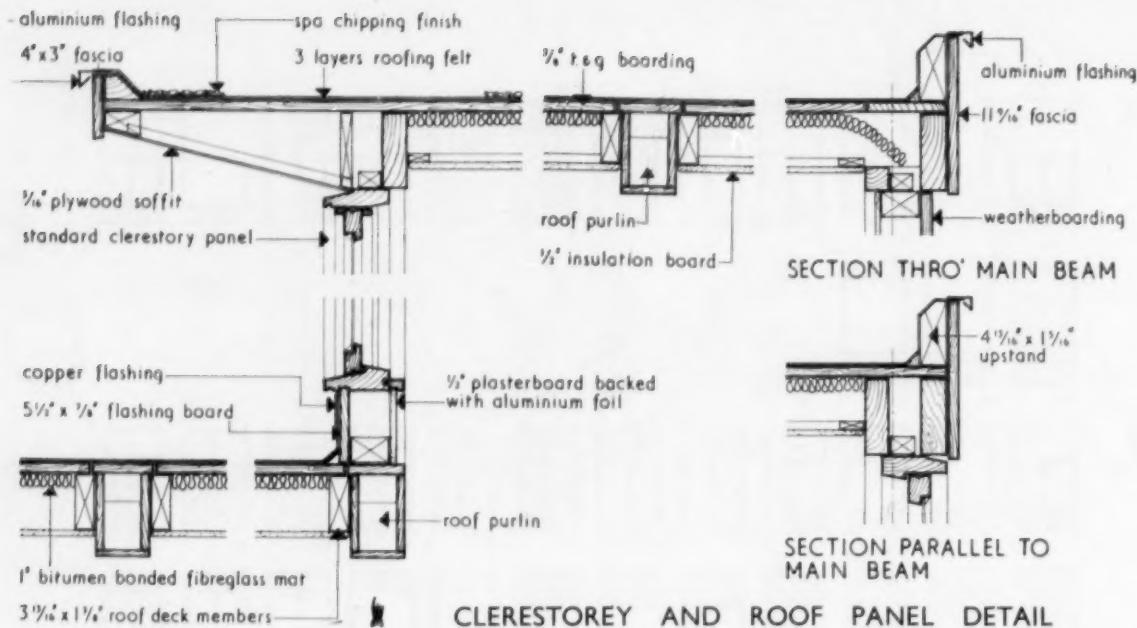


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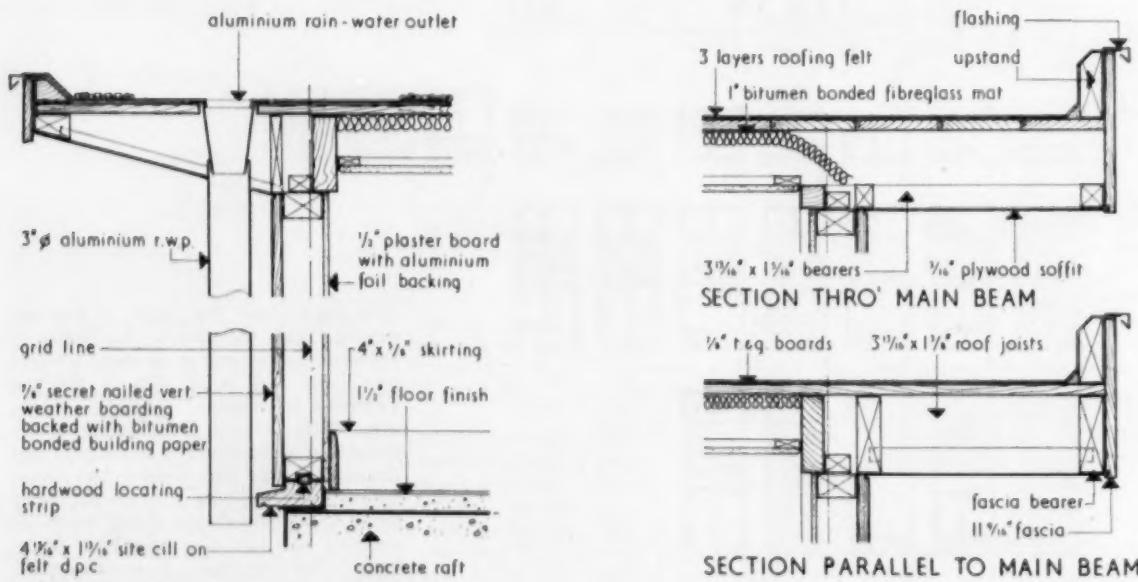
SCHEDULE OF EXTERNAL PANELS

This page shows the range of external panels. Scale 16ft to 1in. Production of Derwent components is on mass production lines and it is difficult for the Company to produce "specials." However, it is possible for matching components to be produced to Architects' own details because the construction is in timber. The cladding is 1in vertically fluted Lagos mahogany, secret nailed to studding and laid over bitumen "Sisal-kraft" building paper. In certain panels the cladding may be of glass or plywood, such as the bottom panels of C5 and C6.

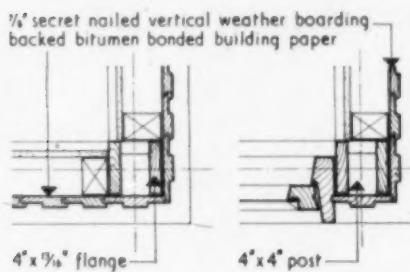


Derwent Construction for Schools

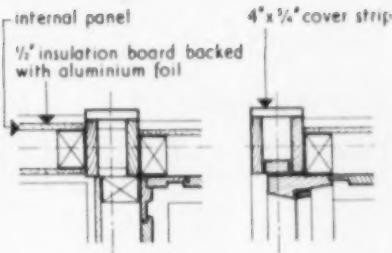
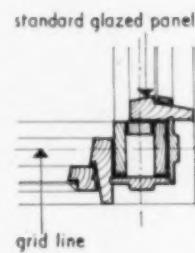
The main construction consists of posts laminated from 4in x 1in members, sometimes with fins, or other open type posts constructed of two 4in x 1in members joined by spacing blocks. Large beams are of laminated construction with sides of exterior grade plywood while other beams are 6in x 4in or 8in x 4in, solid with ply faces. Ends are cut to fit posts and drilled for bolting. Main framing to external walls consists of 2in x 3in members and horizontal rails with 2in x 1/2in vertical studding to take wall linings housed into framing at 2ft centres. Bracing is provided where necessary. Main framing to internal walls consists of 2in x 3in frame and vertical rails with 2in x 1/2in studding housed into the frame horizontally. Cills are of 2in x 5in moulded hardwood with ends machined for jointing. The roof is 4in x 1 1/2in joists at 18in centres with 2in x 1/2in intermediate studding housed into underside of joists to take ceiling lining materials.



R.W. OUTLET AND WALL PANEL



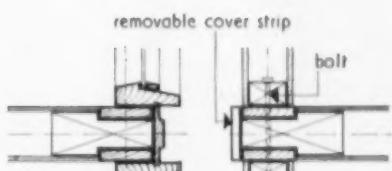
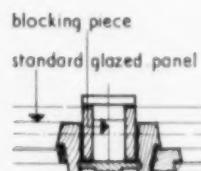
ALTERNATIVE ARRANGEMENTS: EXTERNAL ANGLES



INTERNAL ANGLES

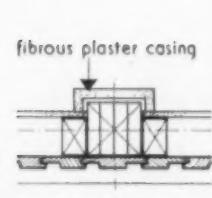


INTERMEDIATE POSTS



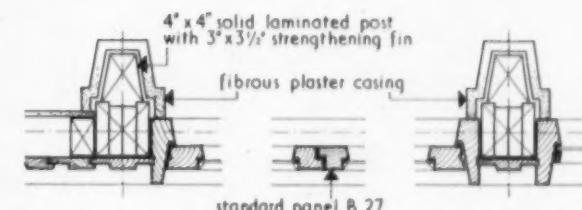
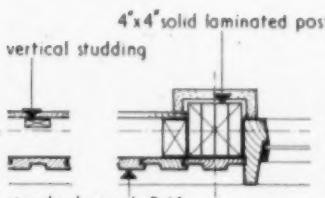
EXTERNAL POST

INTERNAL POST



2 STOREY CONSTRUCTION: POSTS

FIRST FLOOR



GROUND FLOOR

Progress Report continued from p. 152

given them sufficient flexibility for their purpose. The system adapts itself conveniently to change of height and also to change of level on a sloping site. It is a source of great satisfaction to the developers to see how pleasant a building can be produced when the system is handled sensitively, as in the case of the scheme illustrated in this issue.

Architectural Quality

On this point the reader will form his own judgment and some will question if architecture of a high order can ever be achieved by a system of this kind. It is not proposed to enter into this argument, but it is claimed at least that buildings can be produced which are suitable for their purpose, of an intimate scale and finished in comfortable materials. They possess qualities of freshness and lightness and are a truthful expression of a very simple structural system. One thing is certain, it is practically impossible to produce a very ugly building.

Future Developments

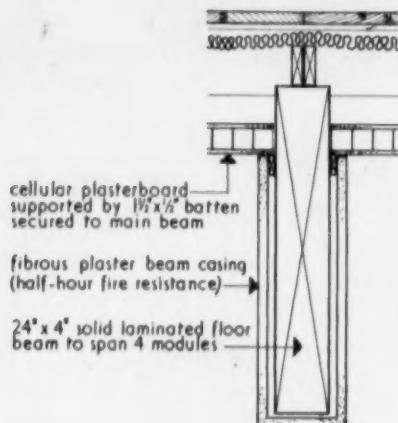
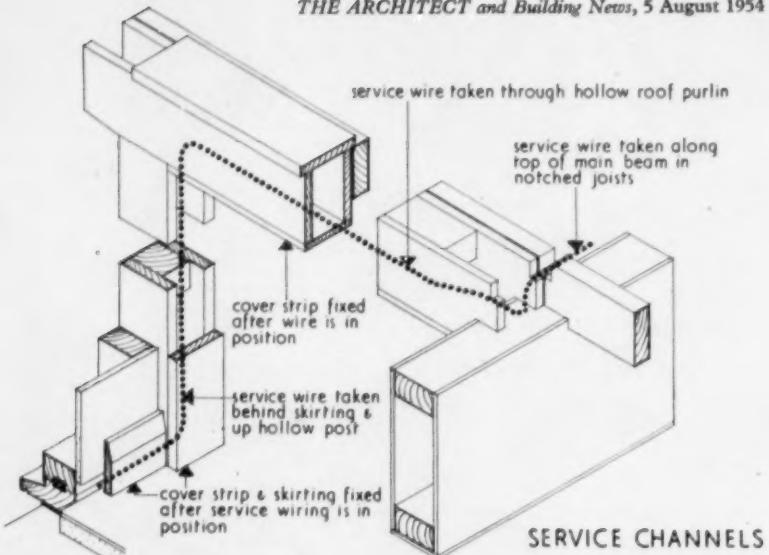
No major changes in the system are contemplated at the present time, but the work of improvement and perfection of detail and finish continues. Developments which are at present in hand do, however, include the introduction of a low-pitched roof for certain applications and the development of laminated 3-pin arch construction for larger spans and to permit of a greater variety in the architectural treatment. Although the Derwent system was designed primarily for school building, it is interesting to note the growing demand for these components in other fields of building.

A number of schemes have been designed of such diverse nature as community centres, little theatres, shops, church premises, sports pavilions, office blocks, canteens, etc.

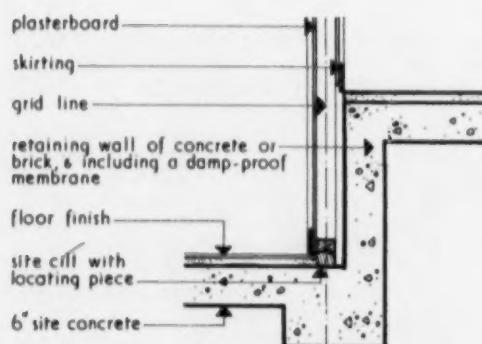
This fact should give heart to others engaged in the development of this kind of system. It is clear that apart from the school programme, there is likely to be a continued demand for this type of building.

**Derwent
Construction
for Schools**

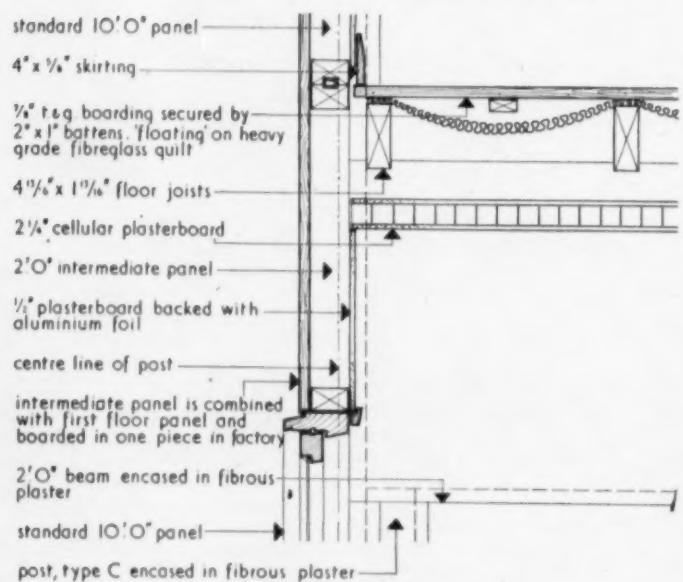
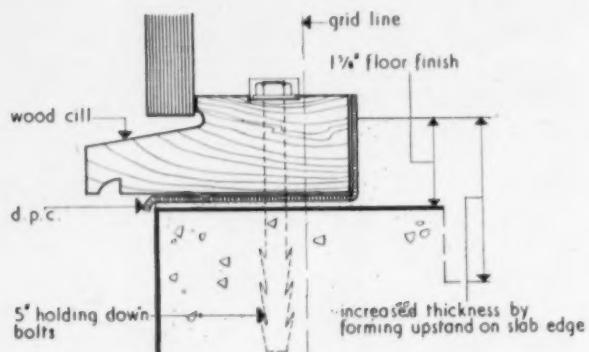
Additional work normally needed but not included in the Derwent system includes all excavations, foundations, floor slabs, etc., and D.P.C.s. Floor panels, drainage, plumbing, sanitary fittings, services, built-in fittings, etc., and decorations.



SECTION THRO' FLOOR BEAM



SECTION AT CHANGE OF LEVEL





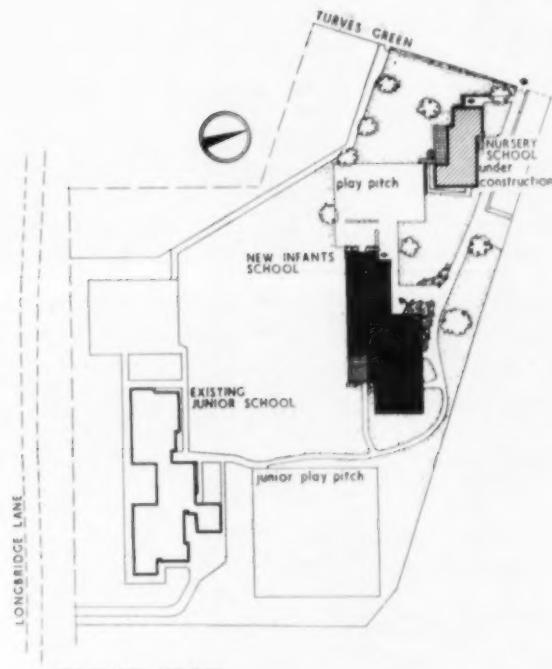
View from South-East

HAWKESLEY FARM INFANTS' SCHOOL, Birmingham

This two-form entry school has 240 places and was built in six months under the 1953-54 programme. It is the first school in the Derwent prefabricated system of timber construction to be completed for the City of Birmingham

A. G. SHEPPARD FIDLER, City Architect

J. R. Sheridan-Shedden, Deputy City Architect



BLOCK PLAN

HAWKESLEY Farm Infants' School shares with a Junior School and a Nursery School a site of 4.1 acres on a new housing estate at Longbridge on the South-West side of the city.

In order to meet a temporary demand for more pupils, the Nursery block for 40 pupils also in Derwent Construction and now nearing completion, has been designed to provide 100 additional infant places. It can later be adapted quite simply and cheaply to serve its final purpose.

Infant School Plan

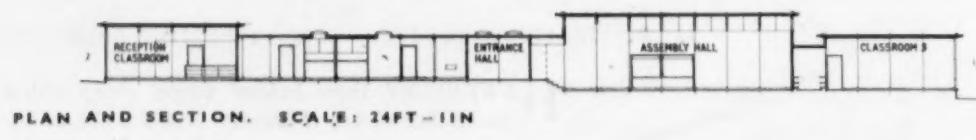
The site slopes evenly from West to East and the Infant block runs down this slope at right angles to the contours with service, sanitary and staff accommodation on the northern side of the block and the classrooms and assembly hall facing South. The staff suite adjoins the main entrance and faces West.

The building is in single-storey construction throughout. Planning is compact. The classrooms are in two wings separated by the entrance and assembly halls both of which are used for circulation. Corridors are thus reduced to a minimum.

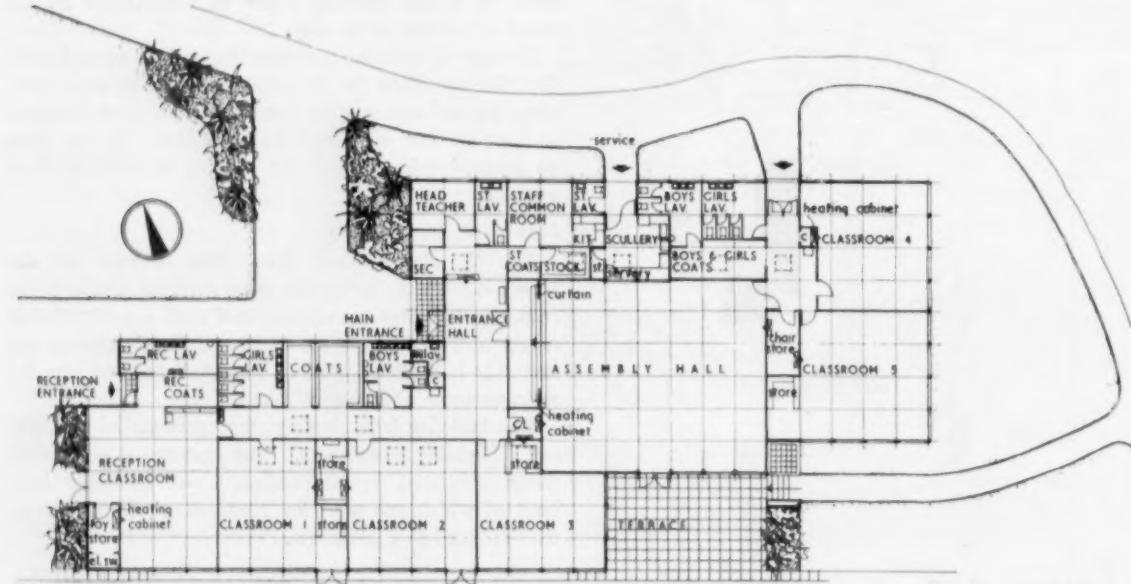
[Continued on page] 159



Classrooms and Assembly Hall from South



PLAN AND SECTION. SCALE: 24FT - 1IN



Hawkesley Farm Infants' School

Continued from page 157

Advantage has been taken of the natural slope in the ground by dropping the floor of the lower classroom wing and the main part of the assembly hall two feet.

The change in level occurs inside the assembly hall providing a valuable child drama space at the same level as the entrance hall.

Meals, brought over from the kitchen in the Junior School, are served in the assembly hall through hatches in one of the side walls, glazed french doors in the opposite wall open on to a terrace facing South.

Heating to the entrance hall, assembly hall and classrooms is by re-circulated warmed air and elsewhere by hot water radiators. All heating and hot water service used in the school is piped underground from the heating chamber in the Junior School. In the entrance hall the heating unit is built into a decorative feature screening the entrance to the staff suite. This is made of hardwood with translucent coloured panels with a plant rack at the free end through which the end wall of the

entrance hall, coloured Pompeian red, may be seen.

Strong colours in the Munsell Archchrome range have been used throughout the building and the scheme of decorations appears to be popular with staff and pupils alike.

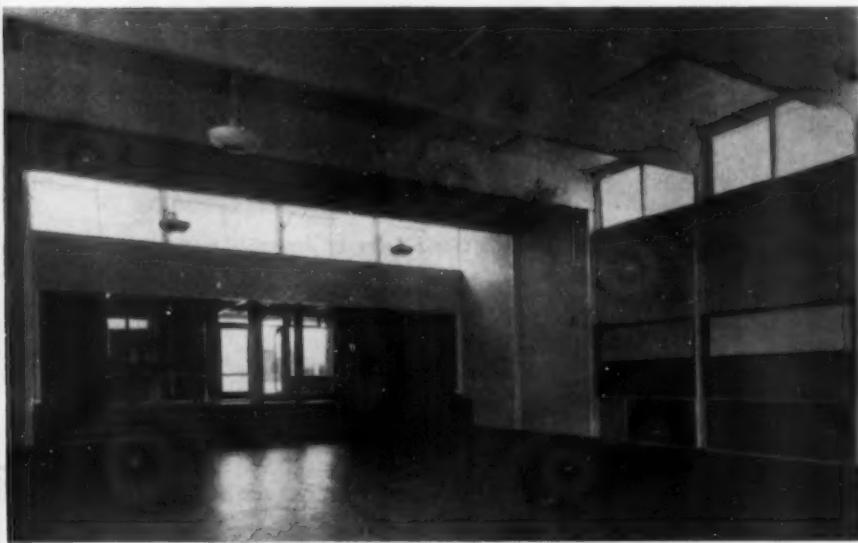
The extensive use of polished hardwood for external walls and floors provides a natural foil to the colour while the white painted door and window frames and wood trim make the scheme sparkle.

Externally the only coloured features are the eaves soffits, which are painted light blue, and the plywood panels forming the stallboards under the large windows at the main entrance and the reception classroom. These have been picked out in strongly contrasting colours to focus attention. Rainwater pipes are taken down inside the building.

Strongly patterned wall papers have been used in the interior decoration scheme at points where special emphasis is required.

Assembly Hall

Classroom



Reception Classrooms

Corridor and Coats





The Entrance Hall with feature on left and doors to Assembly Hall, right

Hawkesley Farm Infants' School

Terrazzo floors are used in the lavatories and kitchen, and granolithic for stores. All other floors are in polished "Guarea" wood block flooring.

All classroom windows are equipped with Venetian blinds and curtains have been provided for the platform and staff suite.

Several minor details are worth noting. The built-in coloured chalk-boards to the classrooms, have been duplicated in each room—one being mounted at a height easily accessible to a child—and are fixed with a slight forward tilt.

Storage in the classrooms is in specially designed waist-high open racks instead of the more usual cupboards and virtually adds additional space to the classrooms.

Hat and coat hooks for the children are enamelled royal blue, cream plastic lettering and numbers used for the doors.

The cost of the school was £31,384 3s 10d net. Area per place 35.7 sq ft. Cost per place, £124 net. Cost per sq ft, £3 3s.

City Architect's Department:

E. Mason, A.R.I.B.A., Senior Architect Education

S. G. V. Milligan, A.R.I.B.A., Principal Architect

H. P. T. Bainbridge, A.R.I.B.A., Assistant Architect in charge

Quantity Surveyors—Messrs. Silk & Frazier

Heating, hot water and lighting Consultants—

Messrs. Hoare Lea & Partners

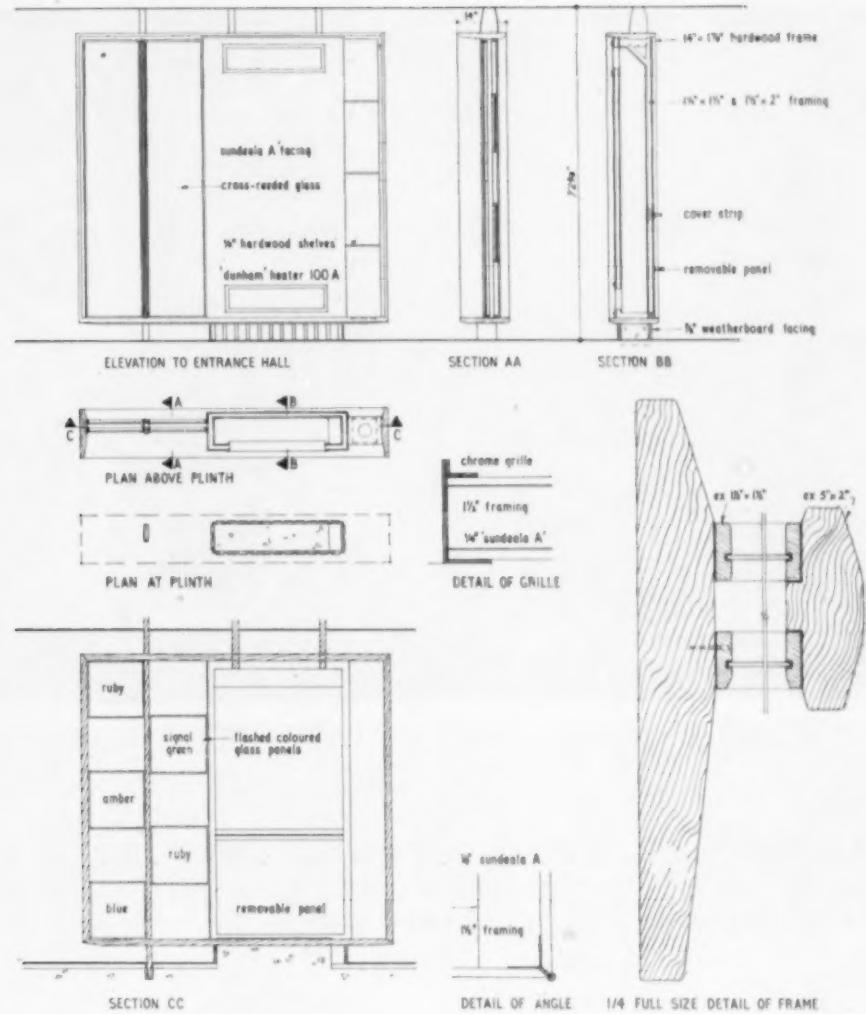
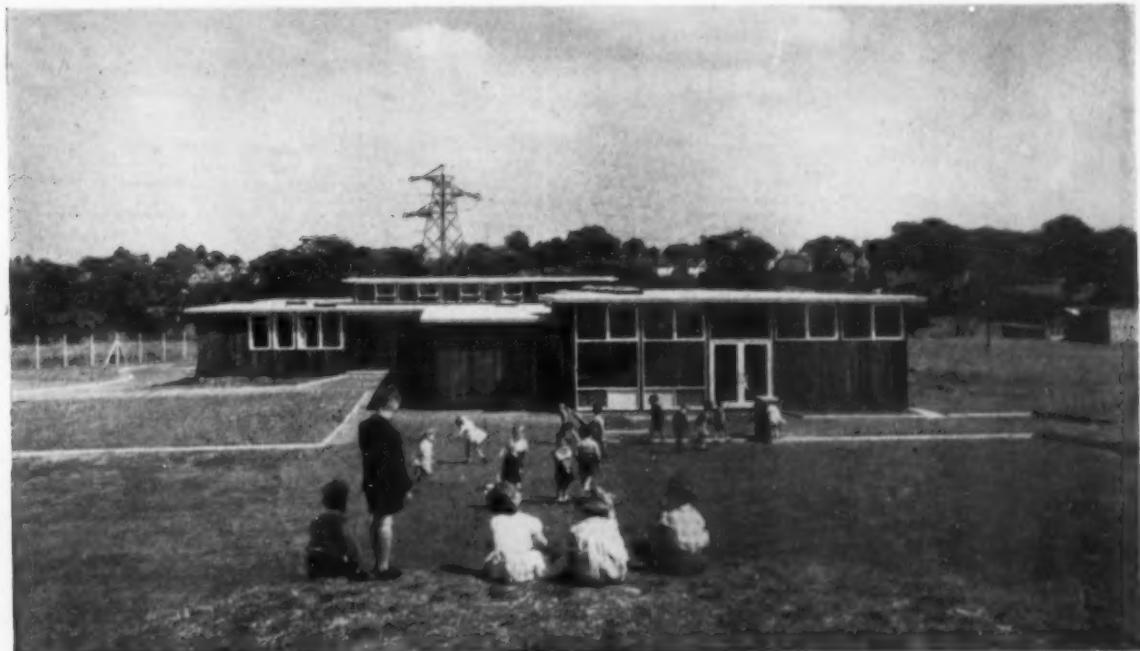
General Contractors—F. Deeley Ltd.

Architectural Metalwork & Cloakroom Fittings: H. E. Breaker, Ltd. Electrical Services: Baxter & Impey, Ltd. Fencing (Chain Link): Durafencing, Ltd. Flooring: Anglo-Italian Flooring Co., Ltd. (Terrazzo); J. Hewitson, Ltd. (Wood Block); Hollis Bros., Ltd. (Wood Block); Roman Mosaic (Magnesite). Gardening: Supreme Gardens (London), Ltd. Glazing: The Coventry Glass Co., Ltd.; Pearce & Cutler, Ltd. Granolithic Paving: Anglo-Italian Flooring Co., Ltd. Heating, Hot Water Services: Steel Engineering Co., Ltd. Ironmongery: Parker Winder & Achurch, Ltd.; N. F. Ramsay & Co., Ltd. Light Fittings: Fall Stadelmann & Co., Ltd.; Fredk. Thomas & Co. Paint: Mander Brothers, Ltd. Paved Areas (external): The Val de Travers Asphalte Paving Co., Ltd. Plastering: J. H. Fletcher (Plasterers), Ltd. Roofing: Wm. Briggs & Sons, Ltd. Sanitary Fittings: W. E. Farrer, Ltd. Superstructure: Vic Hallam, Ltd. Tarpaving: Birmingham Asphalte & Paving Co., Ltd. Tubular Gates: R. L. Bromhall. Windows (Metal): Williams & Williams, Ltd. Wall Papers: Arthur Sanderson & Sons, Ltd.

Entrance Hall

feature

Scale: 1in=4ft

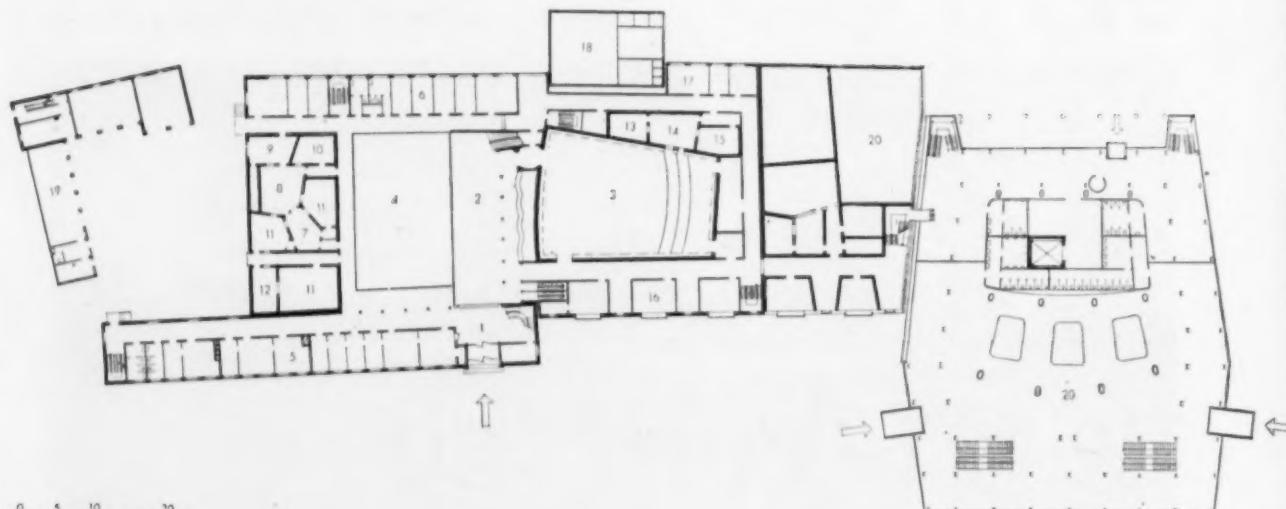
The School
from West



South front of the office building.

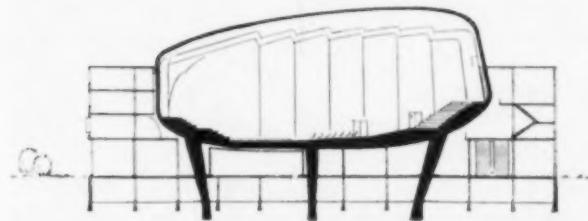
RADIO BUILDING FOR N.W.D.R. HANOVER

architects: WILHELM KRAEMER

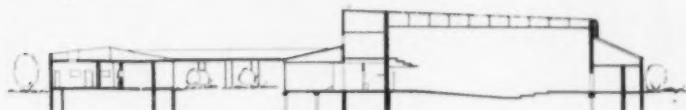


KEY: 1 Entrance. 2 Lobby. 3 Concert Hall. 4 Interior courtyard. 5 Administration. 6 Technical offices. 7 Manager. 8 Chief control office. 9 Studio for measuring. 10 Transmission magnetophone. 11 Talking rooms. 12 Direction. 13 Magnetophone room. 14 Direction. 15 Talking room. 16 Artists' room. 17 Music archives. 18 Transformer. 19 Garages. 20 Enlargement with transmitting hall.

GROUND PLAN

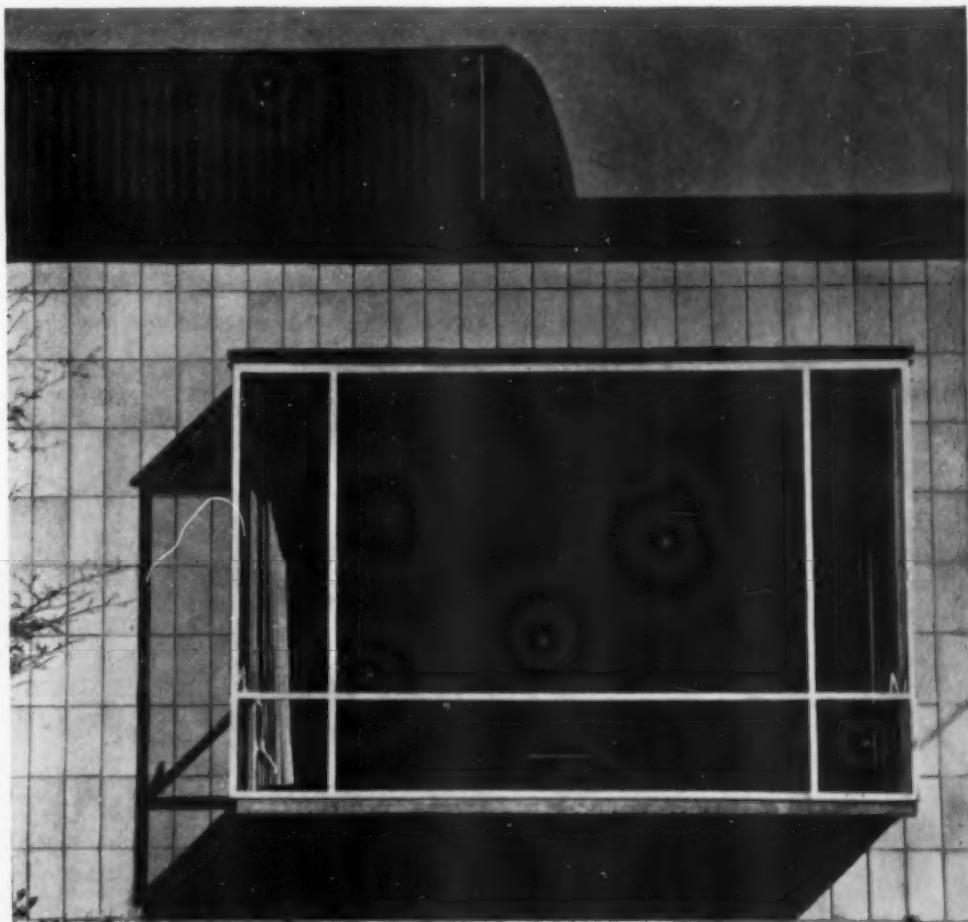


LONG SECTION: TECHNICAL OFFICES, GARDEN,
LOBBY AND MUSIC STUDIO



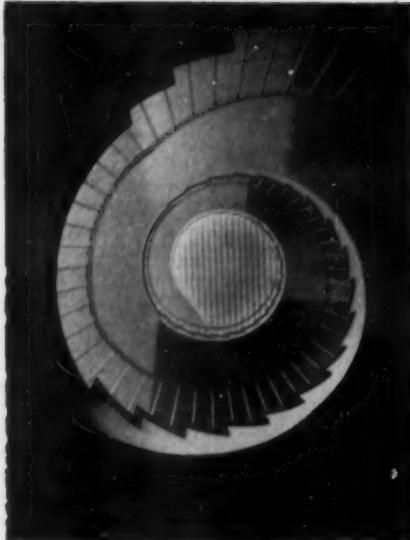
LONGITUDINAL SECTION OF THE PLANNED
LARGE TRANSMITTING HALL, GROUND PLAN

Main entrance seen from Maschsee-shore.



Detail of typical
window to
Artists' rooms.

RADIO CENTRE, HANOVER



Top: View through the stair-well to the ceiling of the roof garden
Middle: Stairs at third floor level leading to the roof garden and refreshment room.

Bottom: View from the refreshment room on the third floor.

Recreation room on the roof garden. The ceiling is striped grey-white. Lamps are of sheet-metal. The wicker furniture has steel rod frames. Table tops are of perforated sheet-metal.



Refreshment room. The tables are covered with black Acella. Curtains are coloured blue-grey and furniture covers are in blue and yellow.

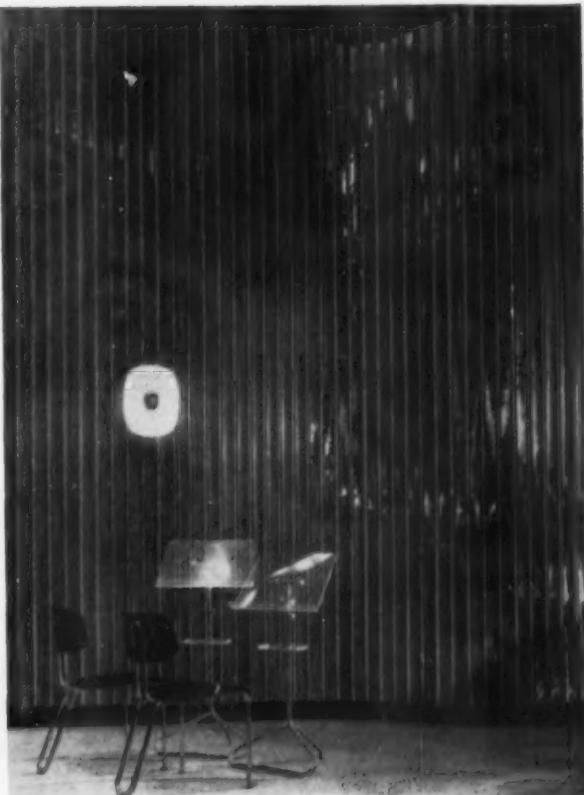
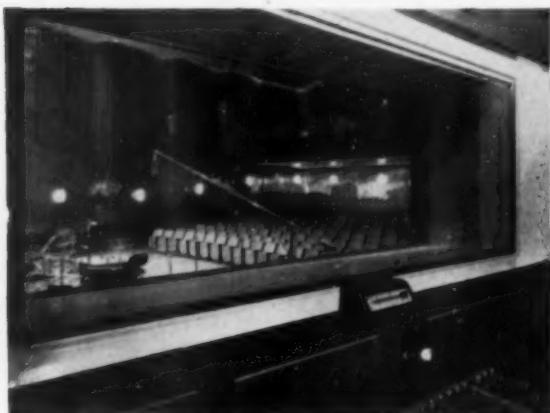




The concert hall. Lights are inset in the suspended stucco ceiling. Chairs are of tubular steel with vermillion coloured ribbed velvet floor covering.

Orchestra chairs are of chromium-plated tubular steel with black wood backs and seat. Music-stands are in steel and plexiglass.

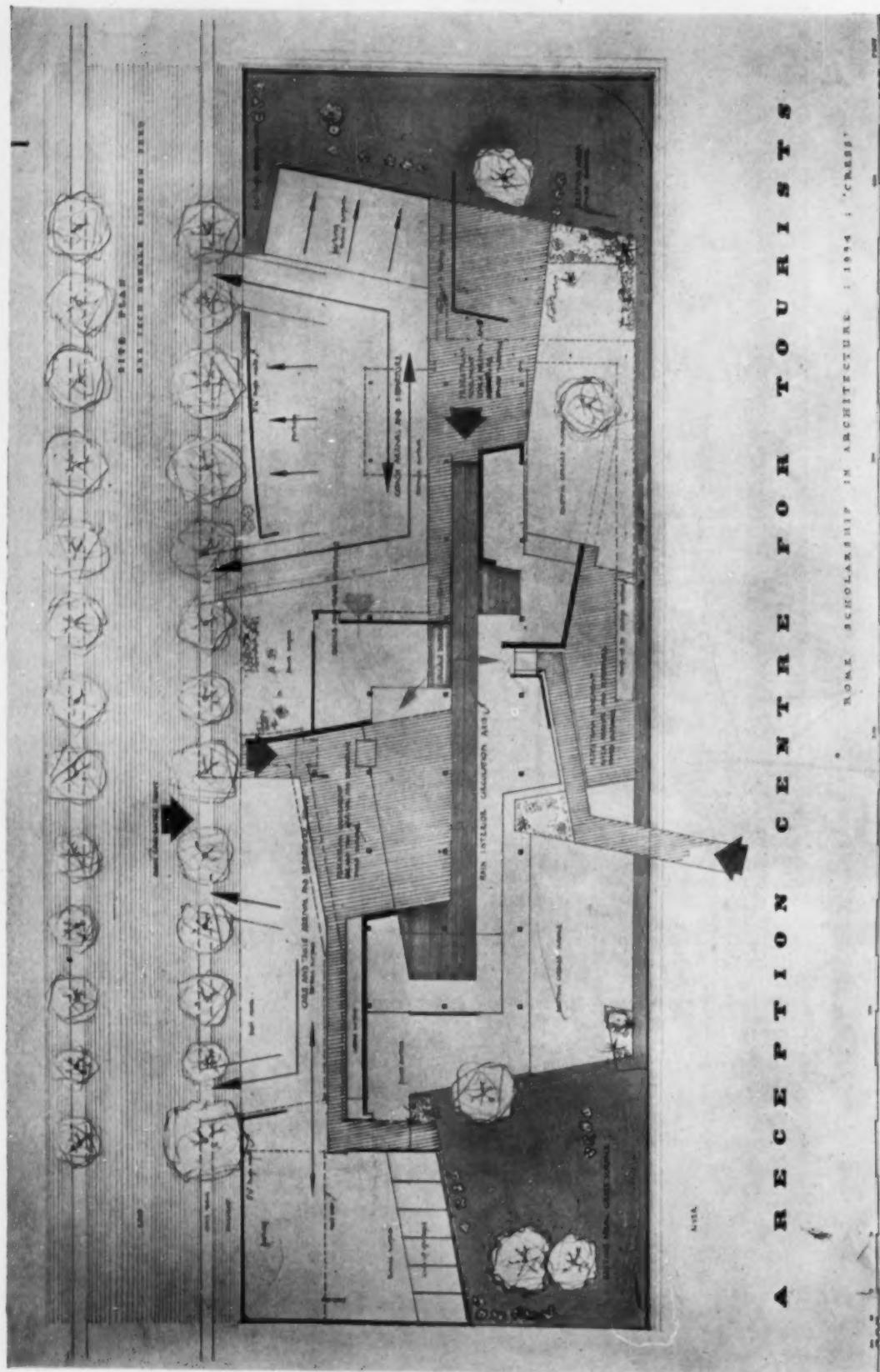
View through the double glazed window into the music studio.



ROME SCHOLARSHIP IN ARCHITECTURE

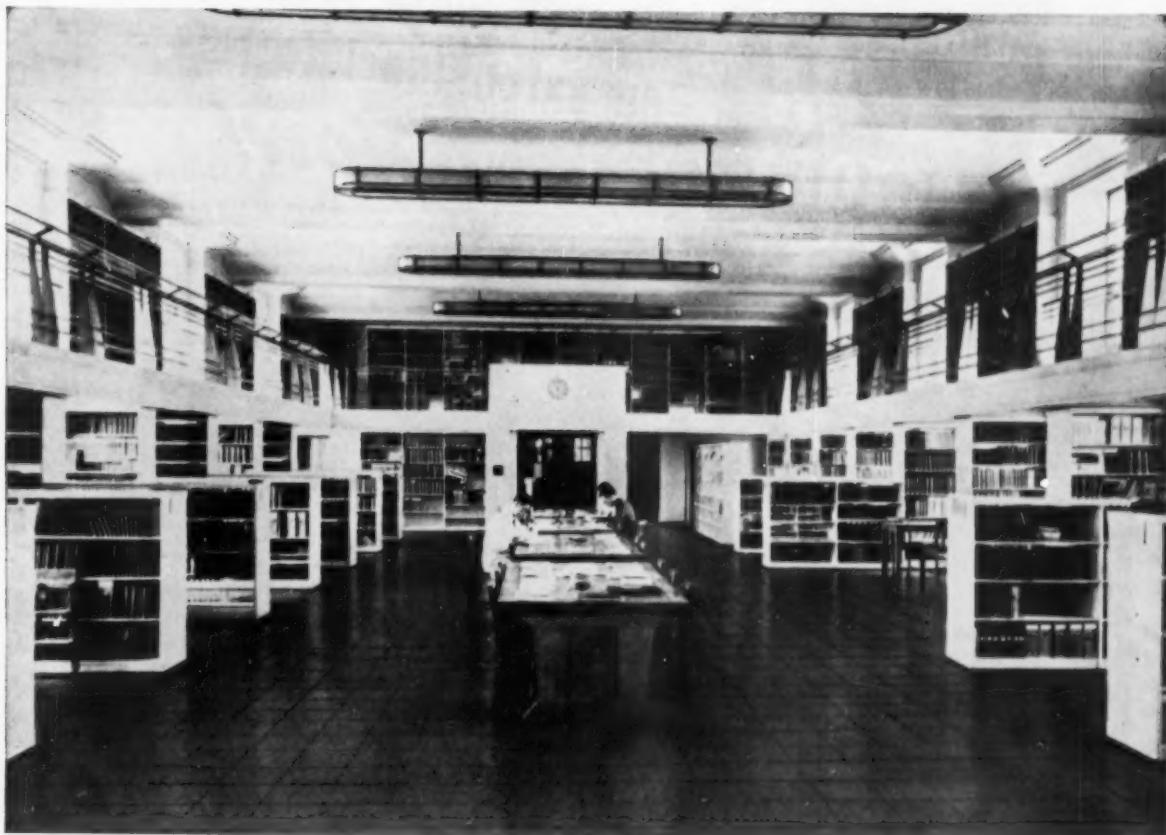
Winning Design by G. J. LACEY, B. Arch. (Liverpool)

THE finalists in the Rome Competition had to design a Reception Centre for Tourists on the banks of a tidal river skirting a city of architectural and historical interest on the East coast of Britain. Mr. Lacey's winning design was for a building accommodating 400 persons and included postal, banking, exchange and information services. The plan included club room and dining facilities, a lecture theatre and conference rooms. A floating landing-stage provided access from ships to the Reception Centre. This is the tenth Rome Scholarship to be won by a graduate of the Liverpool School of Architecture.



[Continued on page 167]

"Quiet please..."



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Architects :
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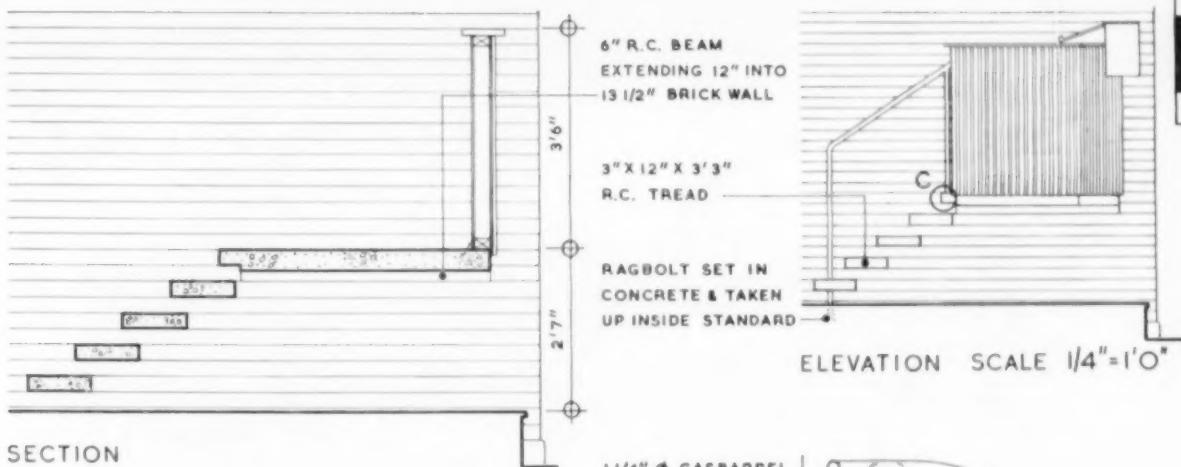
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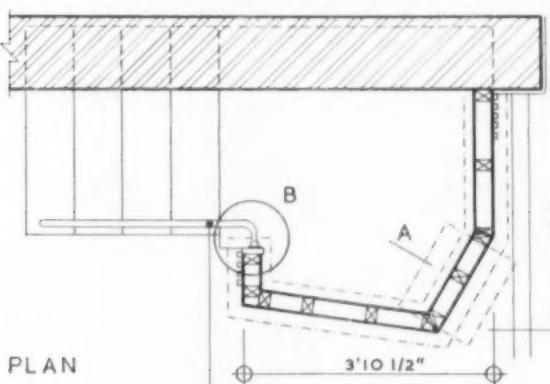
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SECTION



1 1/4" Ø GASBARREL STANDARD

1 1/4" Ø GASBARREL HANDRAIL

LINE OF CAPPING OVER

EX 4" X 1" HARDWOOD STOP

3" X 2" FRAMING

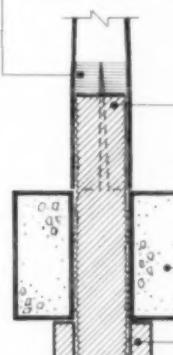
1" X 3/4" VERTICAL SLATS AT 1 3/4" C'S

1/4" PLYWOOD

DETAIL AT B

1 1/4" HANDBRAIL BENT TO FORM BALUSTER

1 1/4" UPRIGHT SPLIT ON BOTH SIDES & THREADED ON LAST 3"



CLOTH TO BE LAID OVER BOOK REST

EX 1'6" X 1'4" X 3 3/4" BOOK REST

EX 1" X 1 1/4"

THREADED BOLT

8" X 1 1/4" SHAPED BRACKETS

EX 8" X 1 1/4" HARDWOOD CAPPING

3" X 2" HEAD

1/4" PLYWOOD

3" R.C. STEP

EX 1" X 3/4" VERTICAL SLATS

3" X 2" SILL

NUT & WASHER

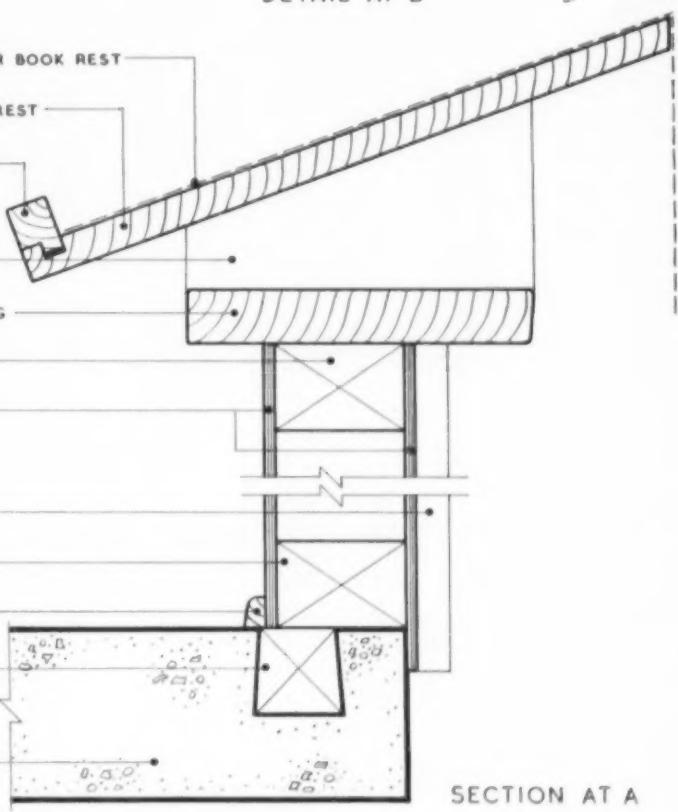
EX 3/4" X 1 1/2"

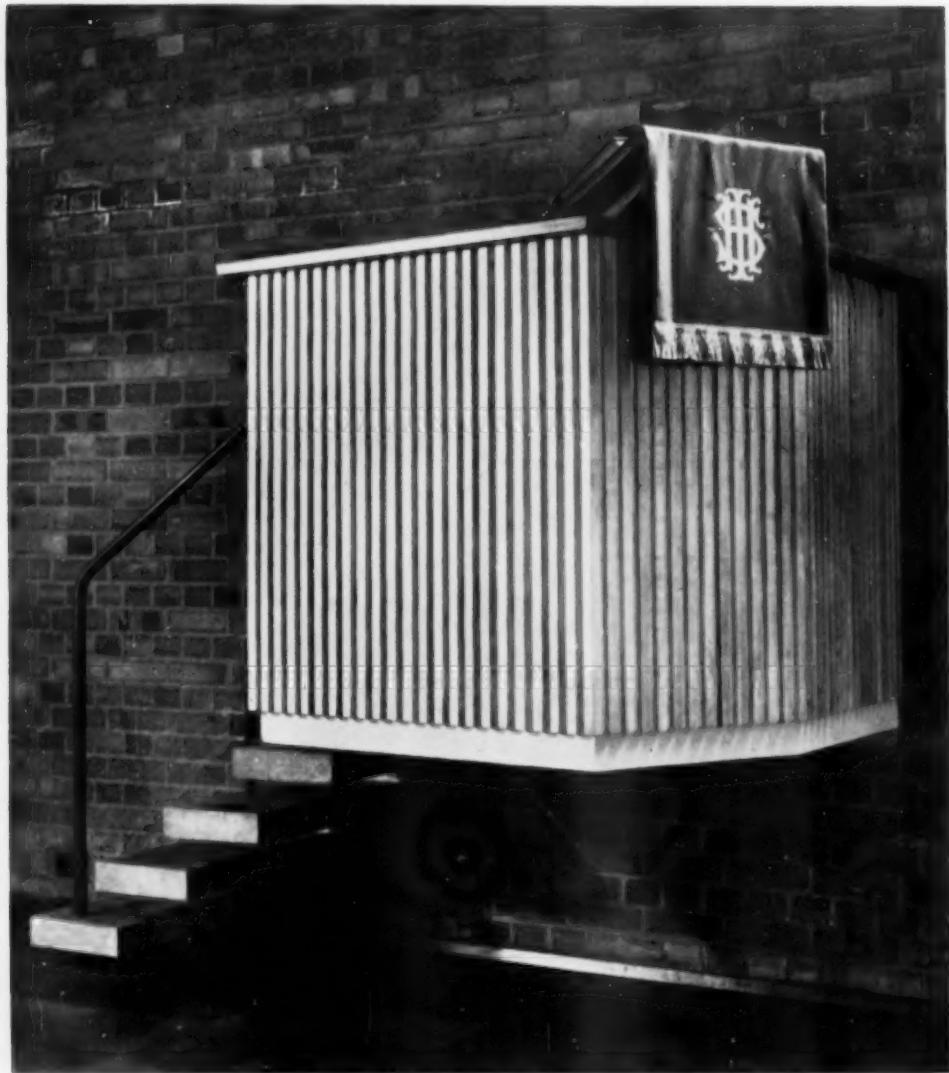
3" X 2" X 2" BLOCKS

4" FAIRFACED R.C. SLAB

DETAIL AT C

SCALES
 $3/8"=1'0"$
 & QUARTER FULL SIZE



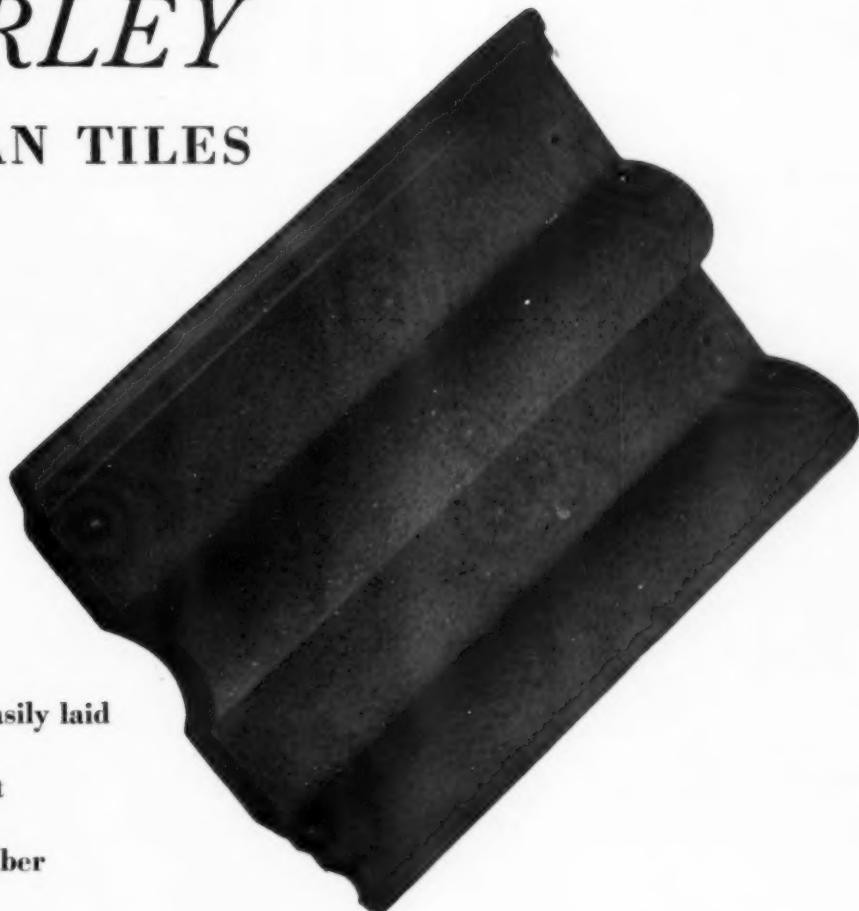


PULPIT, WEST GREENWICH METHODIST CHURCH

ARCHITECT: EDWARD D. MILLS

MARLEY

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Quickly and easily laid

Light in weight

Economise timber

TECHNICAL DATA								
Gauge	Lap	No. of Tiles		Feet Run of Batten		Approx. Weight of Tiling in lb.		
		per sq. yard	per sq. yard	per sq. yard	per sq. yard	per sq. yard	per sq. yard	
13 $\frac{1}{4}$ "	3"	92.5	8.3	90	8.1	1,000	90	
12 $\frac{1}{4}$ "	4"	100	9.0	98	8.8	1,100	99	
11 $\frac{1}{4}$ "	5"	109	9.8	107	9.6	1,200	108	

Yeoman tiles have a variable gauge which should be utilised to avoid cutting tiles at top courses.

Send for full details and specifications.

All Marley tiles are surfaced with coloured mineral granules which ensure natural weathering and beauty. And all Marley tiles are covered by the Marley dual guarantee: (1) That Marley tiles will not laminate or decay for 50 years. (2) Free maintenance of roof tiling fixed by Marley craftsmen for ten years.

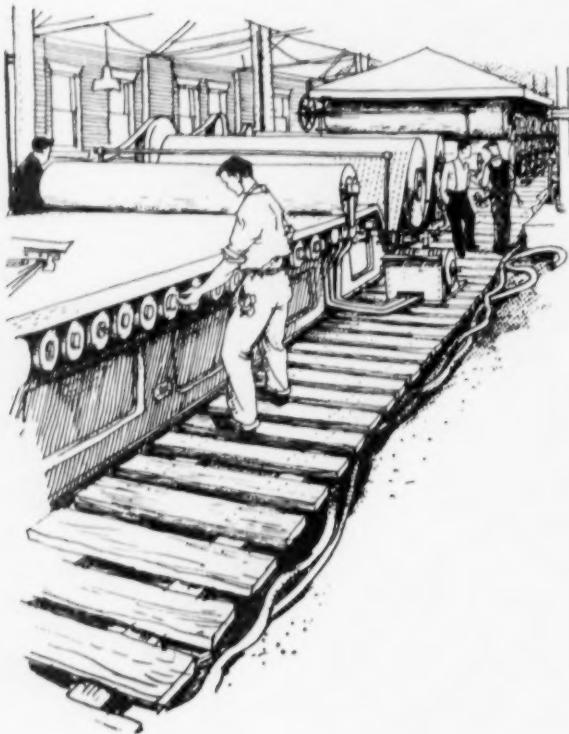


"Not for an age—but for all time"

The Marley Tile Company Ltd., Riverhead, Sevenoaks, Kent. Sevenoaks 2251-6
 Scotland: Bishopbriggs 1093 Wales: Pencoed 376 Northern Ireland: Belfast 24447 Eire: Dublin 51794

MARLEY

"the place is full of steam..."

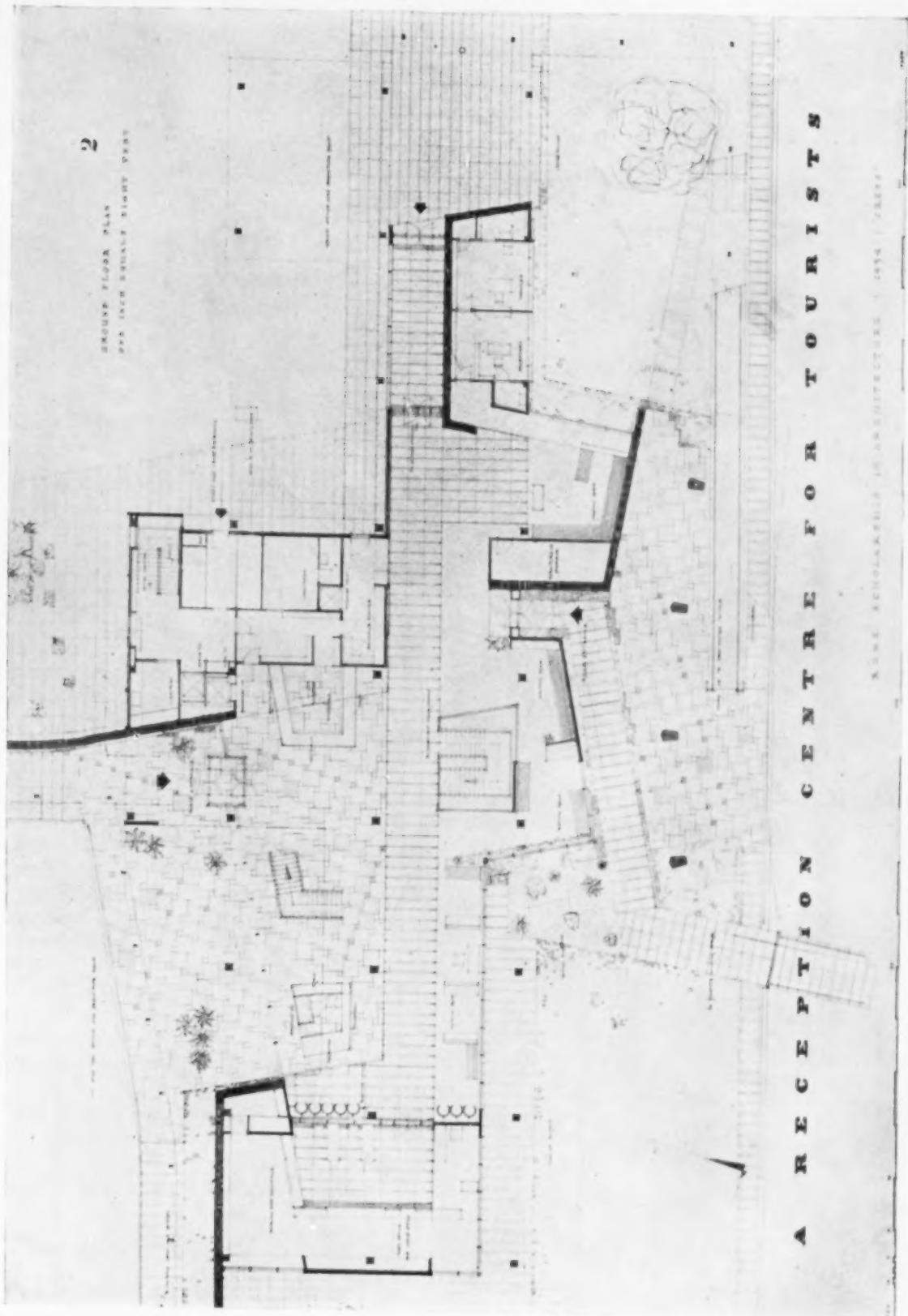


... "The place is full of steam all day"—they told us at Cray Valley Paper Mills—"and dries out again at night. We can't have water dripping off the ceiling on to the machines." The ceiling, in other words, had to stand unlimited absorption and drying-out. It also had to be fire-proof, and to last indefinitely. A clear case for "Asbestolux", in fact. Time, humidity, heat, cold, chemicals, fungi, none of them can affect "Asbestolux", a silica-bonded pure asbestos board, which is made without cement. As for fire-resistance, a recent public test showed "Asbestolux" sheet standing up to a 1800°F flame for 13 days, 10 hours a day, without there being even the first sign of structural failure.

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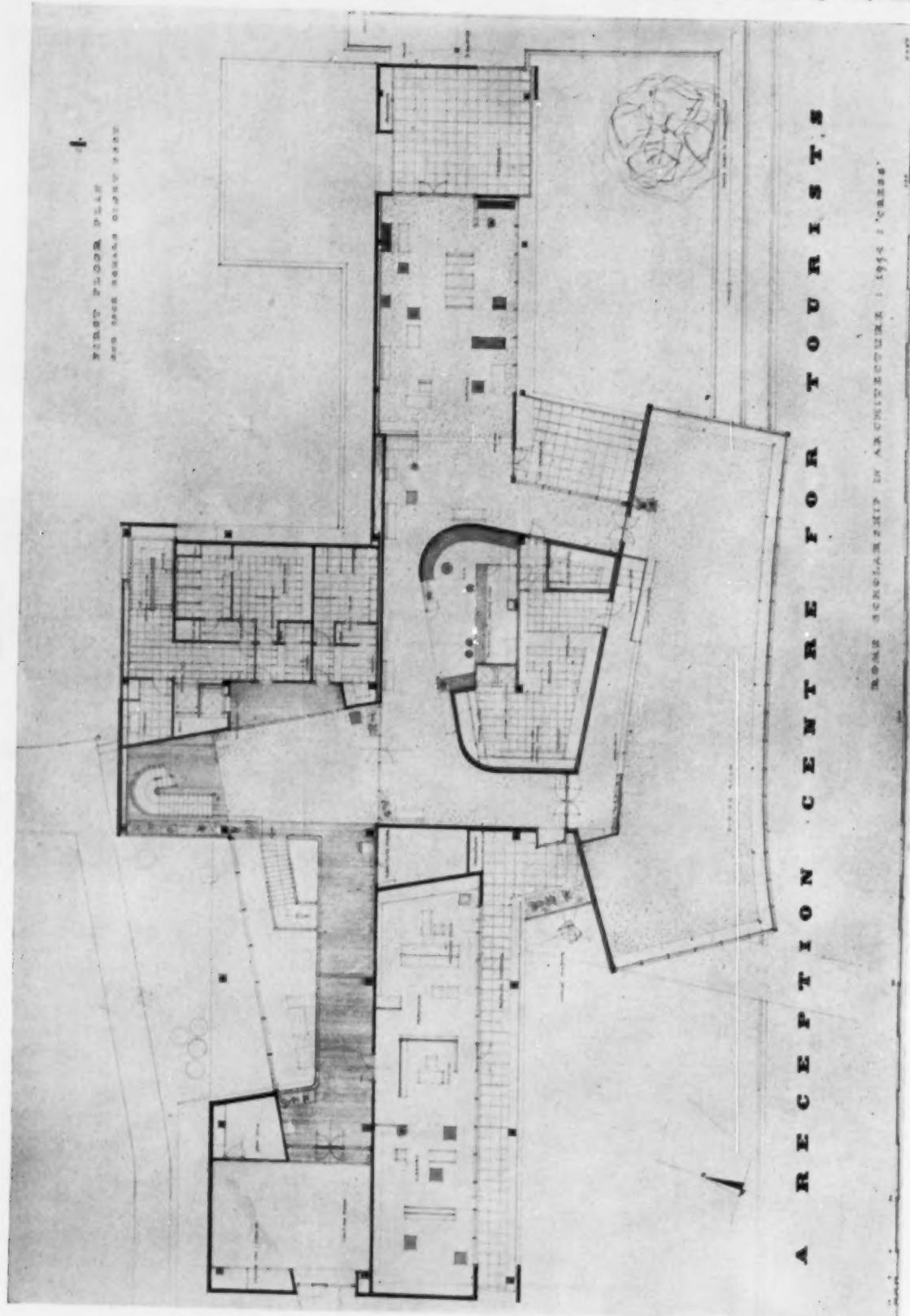




RECEPTION CENTRE FOR TOURISTS

Winning design by G. I. Lacey

[Continued overleaf]





A NEW VENETIAN BLIND—by CRITTALL

The new Crittall Venetian Blind is designed to leave the rudimentary principle of cord operation far behind—together with its snags and hazards. The Crittall 'Solomatic' provides what has been needed for so long as a complement to contemporary design—a means of excluding sun glare without excluding much light and slats which will not rot or reduce ventilation.

Crittall's long experience in windows has made the blind suitable for 'designing in' for neatness and efficiency so that it belongs to the window it embellishes—and is not just added afterwards. With suitable provision it can be fitted externally or out of vertical. If required, two or three adjacent blinds may be operated by one gear control. Full particulars will be sent on request to the nearest Crittall Branch.

Other outstanding points of interest are :

1 NO CORDS TO DANGLE, TANGLE OR WEAR
2 ONE SINGLE CONTROL (Single strap, double strap or gear) tilts the slats as well as raising or lowering the blind

3 UNEVEN LOWERING IMPOSSIBLE

4 ROBUST ALL-METAL MECHANISM assures long life.

5 MADE IN ALL SIZES up to 16' 0" wide and 20' 0" high.
No loss of mechanical efficiency in the larger sizes.

6 SLATS Light aluminium slats with a plasticised enamel finish in the usual alternative shades.

7 LADDER TAPE A double-cross web prevents "flutter".

EXTRAS

- (a) Continuous vertical guide channels prevent swaying.
- (b) Pressed steel cover-plates (pelmettes) lend a finished appearance to the raised blind. Note—Both are stove enamelled to match the slats.
- (c) Fixing by our experienced staff all over the country

CRITTALL *Solomatic* VENETIAN BLINDS

THE CRITTALL MANUFACTURING CO. LTD - BRAINTREE - ESSEX - Factories and Depots throughout the country
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LITERATURE (A.B.N.54) UPON REQUEST.

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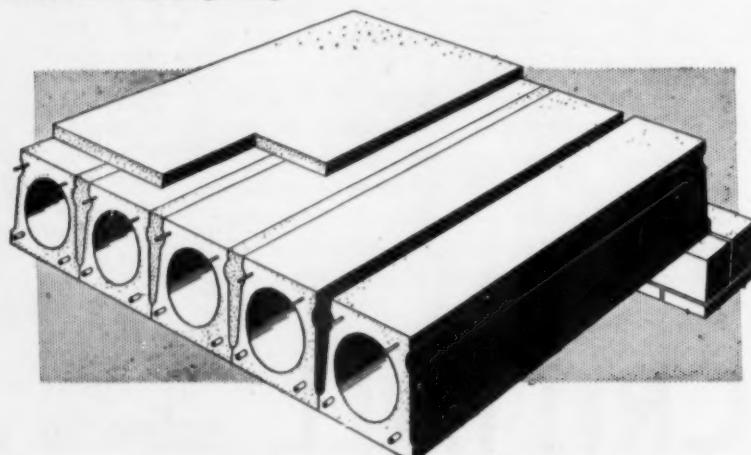
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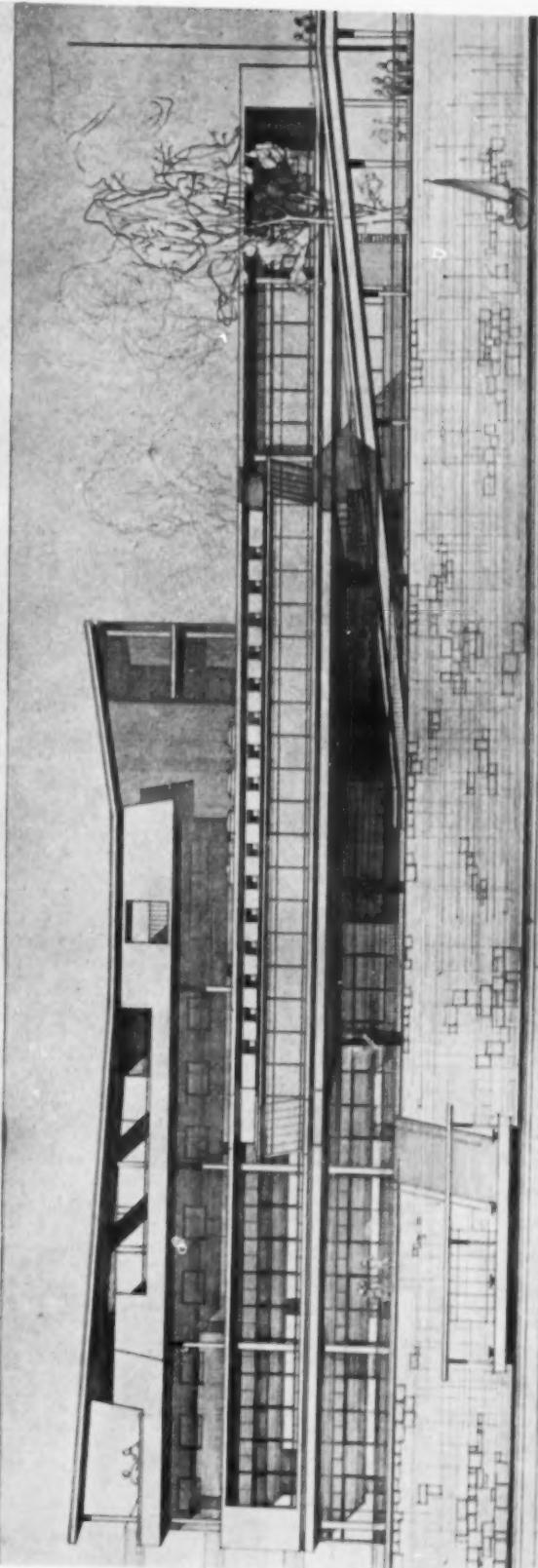
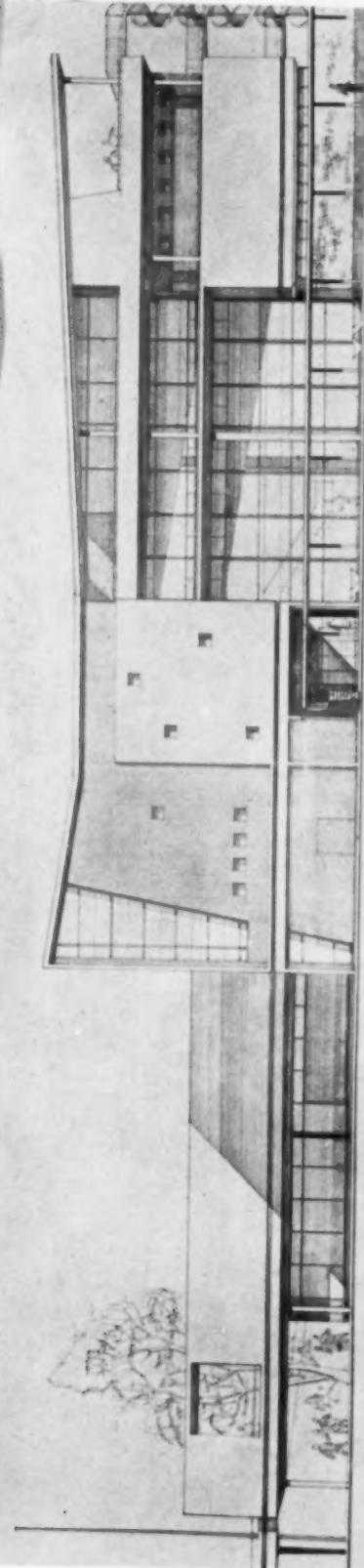
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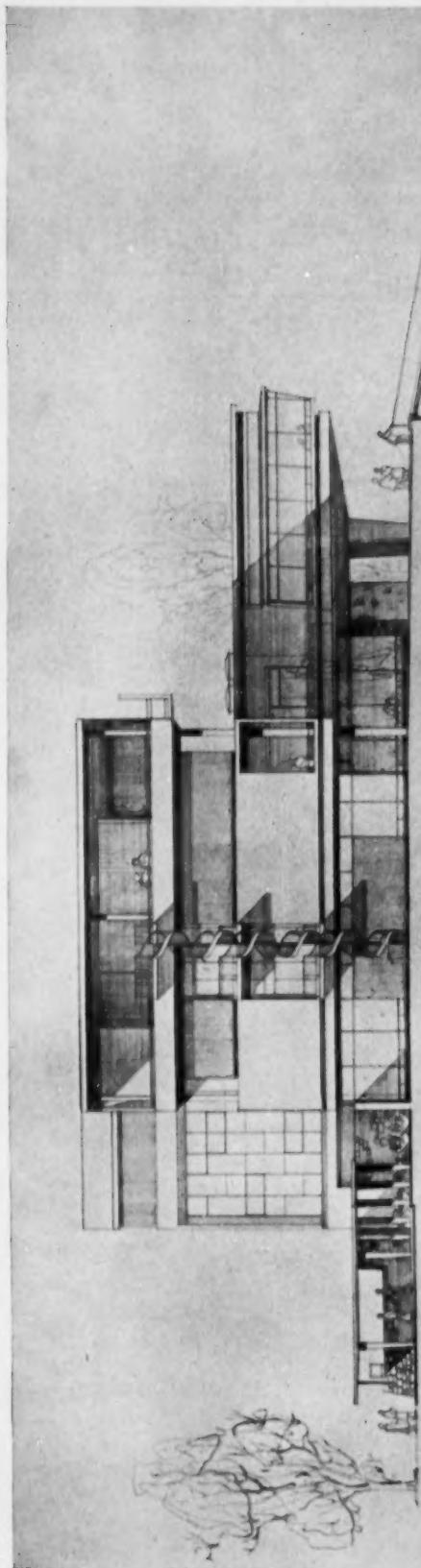


A RECEPTION CENTRE FOR TOURISTS

NON-RESIDENT SCHOLARSHIP IN ARCHITECTURE, 1954-1958*

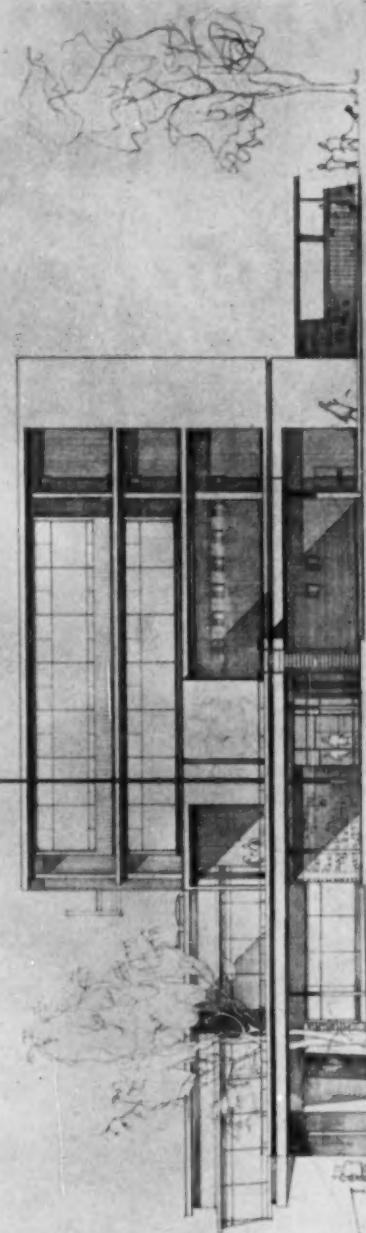
Winning design by G. I. Lacey.

[Continued overleaf]



A RECEPTION CENTRE FOR TOURISTS

ROMS SCHOLARSHIP IN ARCHITECTURE : 1954 COMPETITION



Winning design by G. I. Lacey.

LAW REPORTS

Voluntary Services

The question whether an architect gave his services or acted professionally when assisting in a scheme for the provision of a home for old people, arranged by Wembley Eventide Homes, Ltd., of Harrow Rd., Sudbury, Wembley, was decided by Lord Justice Morris, sitting as an additional judge of the Queen's Bench Division on July 23.

He dismissed a claim by Mr. Eric Sydney William Atherton, F.R.I.B.A., of St. John's Rd., Harrow, Middlesex, who sued Wembley Eventide Homes, Ltd., for £663 for work done and services rendered.

The defendants, a housing society registered under the Industrial and Provident Societies Act, denied liability, claiming that Mr. Atherton gave his services voluntarily.

Mr. Atherton's case was that in June, 1951, Mr. Leslie Downes, A.R.I.C.S., partner in the firm of Messrs. McGlashan & Co., High Rd, Wembley, invited him to advise the Wembley Eventide Homes committee on the suitability of a house, "Priory Close," Stanmore, Middlesex, for conversion into an old folks' home.

He agreed to do so, inspected the house in company with Mr. Downes and members of the committee, and later provided a sketch plan for the project.

In July, 1951, Mr. Eric Ebel, a building surveyor and chairman of the company's building sub-committee, told him on the telephone that the sketch plan had been approved and asked him to "get on with the job and get in tenders." From that moment he understood his voluntary work was completed and he continued in a professional capacity. It was not until March, 1952, when he received a letter from Mr. Ronald Armitage, the company's hon. secretary, that he knew he was regarded as the "honorary architect."

For the defendants it was submitted that Mr. Atherton started and continued his work in a voluntary capacity. Even if Mr. Ebel's request for him to get on with the job tended to change that capacity, Mr. Ebel had no authority to contract for the company.

In his judgment, Lord Justice Morris said it was common ground that Mr. Atherton started his work on a voluntary basis and that later Mr. Ebel asked him to carry on with his work. His lordship did not think there was any invitation to do a limited amount of work or that Mr. Ebel's request changed the nature of it. The claim failed.

He added that Mr. Atherton began the work with very good motives in a voluntary capacity. It was likely that the work involved became greater than Mr. Atherton or the defendants thought. He had done a great deal of work that involved much more of

his time than had been contemplated.

His lordship gave judgment for the defendants, with costs.

£14,000 Damages Awarded Against Architect

Mr. Ernest George Wilks, L.R.I.B.A., former architect of Thingoe Rural District Council, was criticized by the Official Referee (Mr. J. D. Casswell, Q.C.) in the High Court on July 19 when damages of £14,023 19s 3d, with costs, were awarded against him on a counterclaim by the Council to Mr. Wilks's claim for £2,063 10s 4d in fees.

The Council alleged breach of duty and professional negligence by Mr. Wilks, a chartered architect, of Larkspur Cottage, Barton Mills, Suffolk.

His Honour reduced the counterclaim from £25,528. On his claim, Mr. Wilks was given judgment for £801 11s 3d, with costs. He denied the Council's allegations.

His Honour said that Mr. Wilks became the Council's architect in 1946. In 1949 it became apparent that the cost of many of the houses would exceed the contract price through the increased cost of labour and materials and as a result of variations and additions. The Council did not realize the extent or nature of the alterations caused by Mr. Wilks until several years later.

Two of the housing contractors went bankrupt, and in one case Mr. Wilks was found to have certificated the contractor for £1,000 more than he was entitled to through an arithmetical error.

The Clerk to the Council became very perturbed over the heavy costs of the housing schemes, and in the autumn of 1949 Mr. Wilks gave an explanation which the Clerk was not then in a position to check.

After discussing the explanation, the Council decided to apply for a Ministry of Health loan of £17,234, and later informed Mr. Wilks that a full-time architect was to be appointed. In 1950 the Assistant District Auditor sought an explanation of various matters, but the final accounts from Mr. Wilks were greatly delayed.

It was suggested that the failure of Mr. Wilks to submit the accounts arose because he realized that, when produced, they would be evidence that he had rendered the Council liable for very substantially increased costs, in many cases due to variations and additions to houses, which had never been reported to the Council. His Honour thought it likely that that was one of the reasons.

The more serious points arose on the counterclaim. It was not disputed that the cost of house-building greatly exceeded the contract price under the direction of Mr. Wilks, altogether apart from unavoidable increases due to rising cost of labour and materials and peculiarities of sites.

Application had had to be made to borrow an additional loan of £80,000, and the District Auditor had refused to close the Council's accounts for 1948-49 and subsequent years. Less than one-third of that figure was alleged to be avoidable loss caused through breaches of duty by Mr. Wilks, but even so it was a formidable amount.

For Mr. Wilks, it was contended that no damage had been suffered because the Council had got value for their money in the higher quality of building, and that the expense of loan interest and capital

repayment had been met by additional general rate fund contributions, by transferring surpluses and by increasing rents. Those contentions could not be supported against the counterclaim.

"What the Ministry and the Council required were houses built in accordance with the specifications provided and within the limits imposed," his Honour said.

"The houses with which the counterclaim is concerned exceeded those requirements and limits, and the additional expenditure was in many respects avoidable, unnecessary and wasteful.

"The sums to meet the additional expenditure have come from funds belonging to the ratepayers, and to the extent to which the rents have been increased the tenants have themselves contributed to the rates."

Mr. Wilks had maintained that the variations and additions were in some cases necessitated by the lack of material, and in other cases were reasonable improvements. He also alleged that with few exceptions they were known to the Council's Clerk and the Housing and Health Committees, whose members visited the houses in building.

On the other hand, the Clerk had stated that all matters involving additional expense were minuted; that he had not been notified of the variations and additions, and would not and could not have authorized them without approval by the Committee, for which Mr. Wilks had not asked.

"After reading the minutes and reports," his Honour said, "I have come to the conclusion that Mr. Wilks did not inform the Council or their Clerk of most of the variations and additions. Although some of the Council members may have seen them, they did not know whether the alterations were included in the bills of quantity, and they had no information that increased costs were being incurred."

"In evidence, Mr. Wilks was most unreliable. Most of his statements were demonstrably untrue. Some were made on the spur of the moment without regard to truth or falsity, and some with full knowledge of their falsity.

"I hold that it is the duty of an architect engaged by a local authority to see that the houses he designs are such as those approved by the Ministry and capable of being built at a price not exceeding the limit."

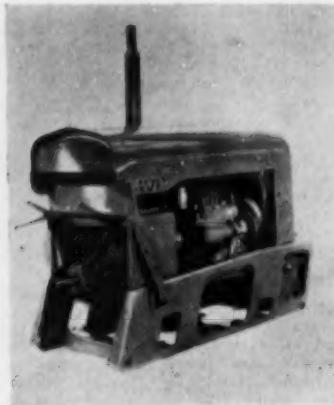
"Bills of quantity must include all necessary fixtures and fittings entitled to be included, and the architect must save the local authority from unnecessary expense. In every case of a substantial variation, he should inform the Council and supply them with an assessment as accurate as possible."

"He must not be generous with contractors at the local authority's expense, and he must not, in order to get schemes approved by the Ministry, omit necessary items and afterwards introduce them by way of variations and additions."

Announcing his awards in the claim and counterclaim, his Honour said it was a sorry ending to the association between Mr. Wilks and the Council after he had spent the best part of four years supervising their housing schemes and had found the work very exacting.

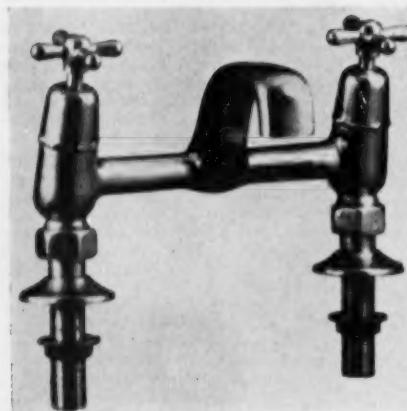
"That in many respects the results met with the approval of the Council and their Clerk is beyond doubt, but Mr. Wilks is the author of his own misfortune and has forfeited the sympathy which one would otherwise have felt for him," his Honour said.

MOSAICS



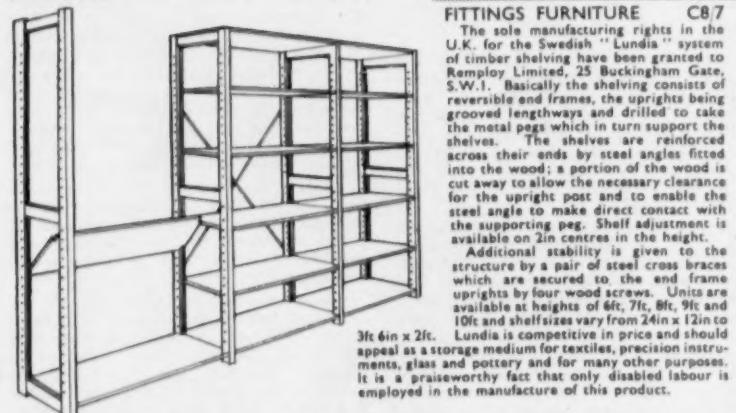
PLANT
SITE GEAR
E2/14

A new power pack is now in production at the Ware Factory of Chassside Engineering Company Limited, Station Works, Hertford. This new unit incorporates a Fordson Major Diesel engine mounted on a jin pressed steel chassis. The 4-cylinder diesel engine is the same as used in the Chassside Loading Shovel and the Fordson Agricultural Tractor. In this new and adaptable form its power is available for many other types of equipment such as pumps, generators, small saw mills, stone crushers, constructional and road-making plant. Developing 44 b.h.p. at 1,700 r.p.m. the Chassside Power Pack is fitted with fully floating output shaft that runs in ball and roller bearings. Electric starting is standard and a large 135 amp hour capacity 12 v. battery is supplied.



SERVICES
PLUMBING
B4/23

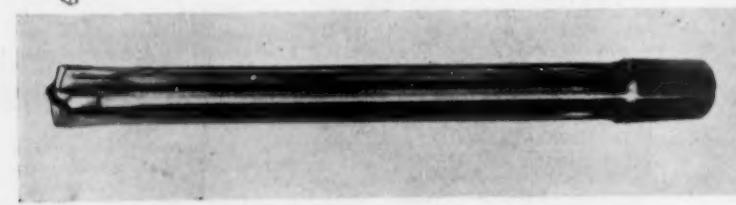
The Seco-Twin Sink Mixer, a newly designed fitting for single tub sinks with a divided flow. Made by Sanbra Limited, Sanbra works, Aston Hall Road, Birmingham 6, to B.S.S. 1010/53 it is suitable for all districts whose regulations state that, if the cold supply comes off the mains, the hot and cold waters shall be kept separate until after the point of discharge.



FITTINGS FURNITURE C8/7

The sole manufacturing rights in the U.K. for the Swedish "Lundia" system of timber shelving have been granted to Remploy Limited, 25 Buckingham Gate, S.W.1. Basically the shelving consists of reversible end frames, the uprights being grooved lengthways and drilled to take the metal pegs which in turn support the shelves. The shelves are reinforced across their ends by steel angles fitted into the wood; a portion of the wood is cut away to allow the necessary clearance for the upright post and to enable the steel angle to make direct contact with the supporting peg. Shelf adjustment is available on 2in centres in the height.

Additional stability is given to the structure by a pair of steel cross braces which are secured to the end frame uprights by four wood screws. Units are available in heights of 6ft, 7ft, 8ft, 9ft and 10ft and shelf sizes vary from 24in x 12in to 3ft 6in x 2ft. Lundia is competitive in price and should appeal as a storage medium for textiles, precision instruments, glass and pottery and for many other purposes. It is a praiseworthy fact that only disabled labour is employed in the manufacture of this product.



A new range of Tungsten tipped rotary drills for use in electric hammer drills has been introduced by Victor Products (Wallsend) Ltd., of Wallsend-on-Tyne, Northumberland. Made from Sheffield best quality tool steel, the addition of the Tungsten tip ensures maximum cutting power with greater speed into brick, stone or concrete and loss of gauge has been reduced to a minimum. The drills are manufactured in a range of seven sizes, $\frac{1}{8}$ in x 3in, $\frac{1}{8}$ in x 4in, $\frac{1}{8}$ in x 6in, $\frac{1}{8}$ in x 8in, $\frac{1}{8}$ in x 9in, $\frac{1}{8}$ in x 12in, $\frac{1}{8}$ in x 12in.

PLANT
HANDTOOLS
E3/34

CABMA REGISTER

"CABMA Register 1954-55 of British Products and Canadian Distributors" Published June, 1954, jointly by Kelly's Directories, Limited, and Iliffe and Sons Limited, for The Canadian Association of British Manufacturers and Agencies—Managers of the British Trade Centres in Toronto, Vancouver and Montreal. 780 pages. Price 42s net, by post 44s.

In his foreword to the second edition, the Chairman of the Dollar-Sterling Trade Council, James S. Duncan, C.M.G., pays this tribute to the value of the CABMA Register—first published in July, 1953, to meet a demand long felt by Canadian companies concerned with U.K.-Canadian Trade. "During the past year, sales of British products in Canada have shown a significant and encouraging increase. Some part of this growth is unquestionably attributable to the CABMA Register."

A careful study of user reactions to the first edition has led to certain improvements in the presentation of the 1954-55 edition—both in the arrangement of the various sections and in the quality of paper used. The *Buyers' Guide* once again provides an alphabetical list of British products available to the Canadian market, with their suppliers given under each heading. There are more than 3,750 headings, and 1,300 cross-references. This section is now followed by the *French-English Glossary*.

An alphabetical directory of British Manufacturers and Distributors gives details of the 4,500 British firms which are classified by Products in the *Buyers' Guide*. These details include their distribution arrangements in Canada, involving more than 2,750 Canadian companies; and some of these Canadian companies give further details in the *Canadian Distributors' Announcements* which follow. Advertisements, in which British and Canadian companies amplify the information given in their listings, have been included in these two sections, thus saving cross-reference to a separate advertisement section. Finally, the buyer is enabled to identify products and their sources of supply from their *Proprietary Names and Trade Marks*. The six sections of the Register are divided for easy reference by index cards, with reinforced tabs and containing instructions in English and French.

Once more the state of completeness and efficiency which the Register has reached was made possible by the full co-operation of the following sponsoring organizations: the Dollar-Sterling Trade Council in Canada and, in the United Kingdom, the Dollar Exports Council, the Federation of British Industries, the National Union of Manufacturers and the Scottish Council (Development and Industry). Goodwill messages are included in the Register from the President of the Board of Trade (U.K.), the Right Hon. Peter Thorneycroft, P.C., M.P.; the Chairman of the Dollar-Sterling Trade Council, James S. Duncan, C.M.G.; the Chairman of the Dollar Exports Council, Sir William Rootes, K.B.E.; and the President of the Canadian Association of British Manufacturers and Agencies, Lewis J.-B. Forbes.

This new, improved edition of the CABMA Register will be the Canadian buyer's standard work of reference, enabling him to locate without delay the sources of supply for British goods, and so making a significant contribution to the vital U.K.-Canadian trade.

Notes below give basic data of contracts open under locality and authority which are in bold type. References indicate: (a) type of work, (b) address for application. Where no town is stated in the

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OPEN BUILDING

ACCRINGTON B.C. (a) Block of 4 lock-up shops and 4 flats, Within Grove Estate. (b) Borough Engineer, Town Hall. (c) £2. (e) Aug. 21.

* * *
BRIGHTON B.C. (a) New Hollingdean Schools. (b) Borough Engineer, 26-30, King's Road. (c) 3gns. (e) Sept. 6. See page 31.

* * *
BRIGHTON B.C. (a) Repairs, minor alterations and decorations to the squash courts and other buildings at the sports centre, Withdean. (b) Borough Engineer, 26-30, King's Road. (c) 2gns. (e) Aug. 16.

* * *
CARMARTHENSHIRE C.C. (a) 1 police dwelling, with office and motorcycle garage, Mydrim, near Carmarthen. (b) County Architect, County Hall, Carmarthen. (d) Aug. 31.

* * *
COCKERMOUTH U.C. (a) 32 flats at Sullart Street. (b) Council's Surveyor, Town Hall. (c) 2gns. (e) Aug. 18.

* * *
ESSEX C.C. (a) Ockendon Somers Heath County Junior and Infants School. (b) County Architect, County Hall, Chelmsford. (d) Aug. 9.

* * *
ESSEX C.C. (a) Huted classrooms at Wickford County Primary School. (b) County Architect, County Hall, Chelmsford. (d) Aug. 9.

* * *
GLASTONBURY B.C. (a) 16 flats in blocks of 4 and 2 pairs of houses, Windmill Hill Housing Estate. (b) Council's Surveyor, 66, High Street. (c) 2gns. (e) Aug. 14.

* * *
HARROW B.C. (a) 1 block of 4 bed-sitting room dwellings, Dennis Lane Housing Estate, Stanmore. (b) Borough Engineer, Council Offices, Uxbridge Road, Stanmore, Middx. (c) £2. (e) Aug. 26.

* * *
HODDESDON U.C. (a) Block of 10 lock-up garages with brick and concrete block walls, reinforced concrete roof slab, etc., St. Augustine's Drive, Broxbourne. (b) Engineer and Surveyor, Council Offices. (c) Ign. (e) Aug. 25.

* * *
LANCHESTER R.C. (a) 28 houses and 12 bungalows, Hamsteels, near Esh Winning. (b) Council's Engineer, Council Offices, Lanchester, Co. Durham. (c) 2gns. (e) Aug. 17.

* * *
MACCLESFIELD B.C. (a) Erection of houses at Hudsfield in 8 schemes of 15, 18, 5, 12, 9, 36, 37 and 39 houses. (b) Borough Architect, 3, Jordangate. (c) 2gns. (e) Aug. 23.

* * *
MAGOR AND ST. MELLONS R.C. (a) 2 blocks of 4 houses at Nash, near Newport. (b) Council's Engineer, Council Offices, Baneswell, Newport, Mon. (c) 2gns. (e) Aug. 13.

address it is the same as the locality given in the heading, (c) deposit, (d) last date for application, (e) last date and time for submission of tenders. Full details of contracts marked ★ are given in the advertisement section.

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NORTHAMPTON B.C. (a) Erection of (1) 3 flats and 4 maisonettes in 1 block at Kingsland Avenue; (2) 12 2-storey flats in 1 block at Eastfield; (3) 52 maisonettes and flats in 4 blocks at King's Heath. (b) Borough Architect, Guildhall. (c) 2gns. (d) Aug. 9. (e) Aug. 28.

N. IRELAND—BELFAST C.C. (a) 8 houses at Hillfoot Street, Belfast. (b) Housing Architect, 94, Chichester Street. (c) £5. (e) Aug. 17.

READING B.C. (a) Erection of St. Michael's Primary School. (b) Borough Architect, Town Hall. (e) Aug. 28.

RICKMANSWORTH U.C. (a) 82 dwellings, Berry Lane Housing Estate. (b) Engineer and Surveyor, Council Offices. (c) 3gns.

SCOTLAND—DUNDEE C.C. (a) Erection of Linlathen Primary School, Ballochmyre Drive; all trades. (b) City Quantity Surveyor, 21, City Square. (e) Aug. 16.

SCOTLAND—INVERNESS C.C. (a) 14 houses, Nethybridge Housing Scheme; all trades. (b) James Shankley, 2, Ness Walk. (e) Aug. 14.

SCOTLAND—INVERNESS C.C. (a) Erection of following houses: —, Broadford; 12, Corpach; 8, Staffin; 8, Edinbane. (b) James Shankley, 2, Ness Walk. (e) Aug. 28.

STOCKTON-ON-TEES B.C. (a) 39 houses and 66 flats on land north of Portrack Lane, between Campbell Street and Walton Street. (b) Borough Architect, 28, The Square. (c) 1gn. (e) Aug. 16.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. ↑ denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

BANGOR CORPORATION. (1) 52 houses. (2) Maesgeirchen. (3) Edward Jones, 3, The Arcade, Penmaenmawr, N. Wales. (4) £72,592.

BARNES B.C. (1) 72 flats. (2) Priests Bridge. (3) Tersons, Ltd., 4, Dollis Park, London, N.3. (4) £150,590.

BELFAST CATHEDRAL BOARD. (1) First stage of Cathedral extension scheme. (3) M'Laughlin and Harvey, Ltd., 34, York Road, Belfast. (4) £179,000.

BERKSHIRE C.C. (1) Primary school. (2) Newbury. (3) Hoskins and Pond, Ltd., West Mills, Newbury. (4) £53,196.

BEVERLEY R.D.C. (1) 100 houses. (2) Welton Road, Brough. (3) T. Wright and Son (Hull), Ltd., 57, Regent Street, Hull.

BICESTER U.D.C. (1) 116 houses and flats. (2) Middleton Road and King's End. (3) C. Bryant and Son, Ltd., 65, Whitmore Road, Birmingham, 10.

BRADFORD CORPORATION. (1) Secondary school. (2) Buttershaw. (3) Henry Boot and Son, Ltd., Sheffield. (4) £174,575.

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BRIGHTON B.C. (1) Factory. (2) Hollingbury industrial site. (3) Jeffery and Sons (Hove), Ltd., 206, Portland Road, Hove. (4) £69,720.

BRISTOL CORPORATION. (1) 126 houses, 72 flats. (2) Hartcliffe Estate. (3) Wm. Cowlin and Sons, Ltd., Stratton Street, Bristol, 2. (4) £322,210. (1) 72 flats. (2) Hartcliffe Estate. (3) John Knox (Bristol), Ltd., Coronation Road, Bristol. (4) £117,250. (1) 72 maisonettes. (2) St. George. (3) Benson Bros. (Bristol), Ltd., 117, Ashley Down Road, Bristol, 7. (4) £131,846.

BRITISH RAILWAYS (YORK). (1) Civil engineering works for £1,000,000 motive power depot. (2) Thornaby-on-Tees. (3) Arthur Robinson (Contractors), Ltd., 423, Linthorpe Road, Middlesbrough.

BRITISH TRANSPORT COMMISSION. (1) Station buildings, etc. (2) Potters Bar. (3) Kirk and Kirk, Ltd., Upper Richmond Road, Putney, S.W.15.

CARDIFF CORPORATION. (1) Secondary school for girls. (2) Llanrumney. (3) William Cowlin and Son, Ltd., 113, Cathedral Road, Cardiff. (4) £155,900.

CHESTERFIELD B.C. (1) Secondary school. (2) Newbold. (3) C. E. Gaunt and Son, Ltd., West Bars, Chesterfield. (4) £138,968.

COLCHESTER B.C. (1) 86 dwellings. (2) Monkwick Estate. (3) Direct Labour. (4) £104,362.

DEAL B.C. (1) Reconstruction of Deal Pier. (3) Concrete Piling Co., Ltd., 10, Westminster Palace Gardens, London, S.W.1. (4) £218,441.

DERBY B.C. (1) Crematorium. (2) Markeaton. (3) Ford and Weston, Ltd., Osmaston Road, Derby. (4) £37,125.

DONEGAL COUNTY HEALTH AUTHORITY. (1) Erection of county hospital. (2) Letterkenny. (3) Kilcawley and Co., Ltd., Sligo. (4) £246,000.

DUDLEY CORPORATION. (1) 206 houses. (2) Saltwells site. (3) Eadie and Co. (Wolverhampton), Ltd., Waterloo Road, Wolverhampton. (4) £288,585.

ISLINGTON B.C. (1) 68 dwellings. (2) Petherton Road. (3) W. H. Gaze and Sons, Ltd., Kingston, Surrey. (4) £136,933.

LONDON COUNTY COUNCIL. (1) Weights and measures office. (2) Harper Road, Southwark. (3) Norman Sinclair, Ltd., 80, Uxbridge Road, Ealing, W.5. (4) £44,842.

LONDON COUNTY COUNCIL. (1) 60 flats. (2) Eliot Vale Estate, Lewisham. (3) M. J. Gleeson (Contractors), Ltd., London Road, Cheam, Surrey. (4) £174,053. (1) 30 flats. (2) Oliver Goldsmith Estate, Camberwell. (3) A. T. Rowley (London), Ltd., Lordship Lane, Tottenham, N.17. (4) £66,381.

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PORTSMOUTH CORPORATION. (1) 88 houses. (2) Leigh Park. (3) Geo. Wimpey and Co., Ltd., Hammersmith Grove, London, W.6. (1) 132 houses. (2) Leigh Park. (3) Howe and Bishop, Ltd., Clarendon Street, Portsmouth. (4) £112,644 and £165,893 respectively.

REDCAR B.C. (1) 104 houses. (2) Lakes Estate. (3) Middlesbrough and District Building Trades Association. (4) £134,612.

RUGBY. (1) Modernisation works. (2) Rugby School. (3) Foster and Dicksie, Ltd., James Street, Rugby. (4) £250,000.

SALFORD CORPORATION. (1) 110 flats. (2) Liverpool Street. (3) Trussed Concrete Steel Co., Ltd., 37, Lower Marsh, London, S.E.1. (4) £210,500.

SHEFFIELD CORPORATION. (1) Eight blocks of maisonettes (88 dwellings). (2) Greenhill-Bradway Estate. (3) Reeves Charlesworth, Ltd., 27, Wilkinson Street, Sheffield, 10. (4) £128,468.

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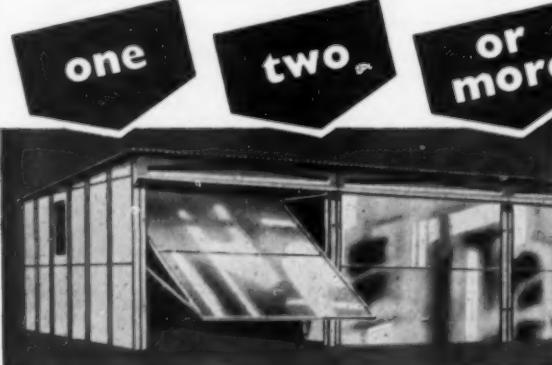
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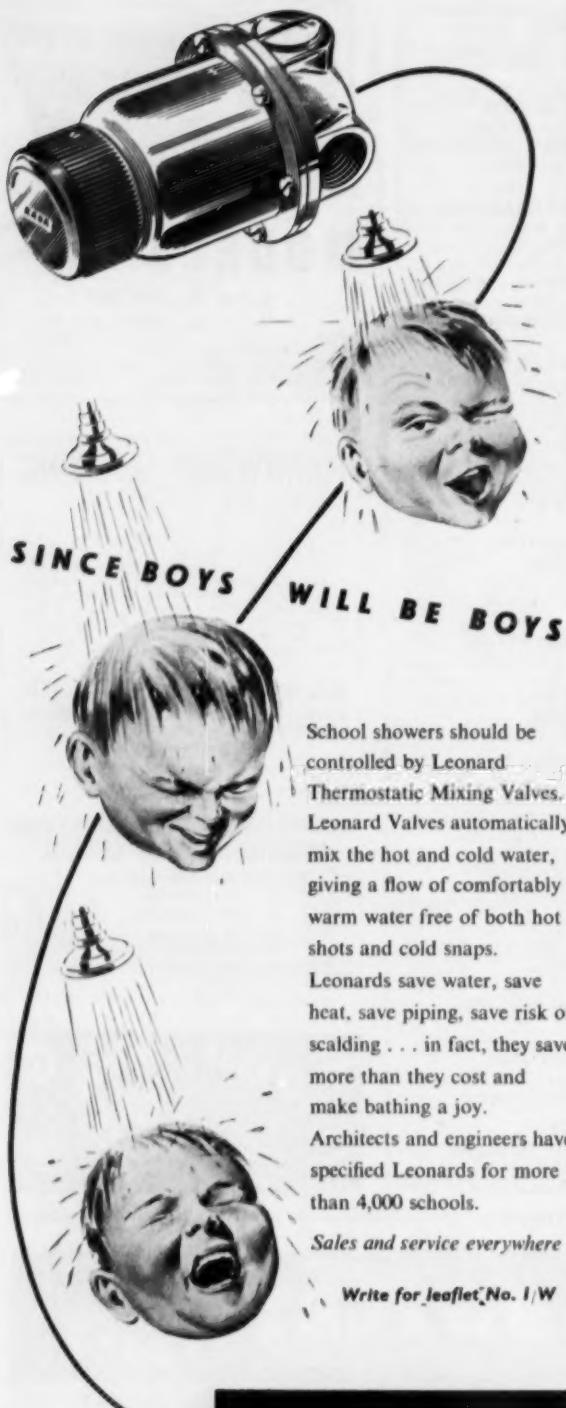
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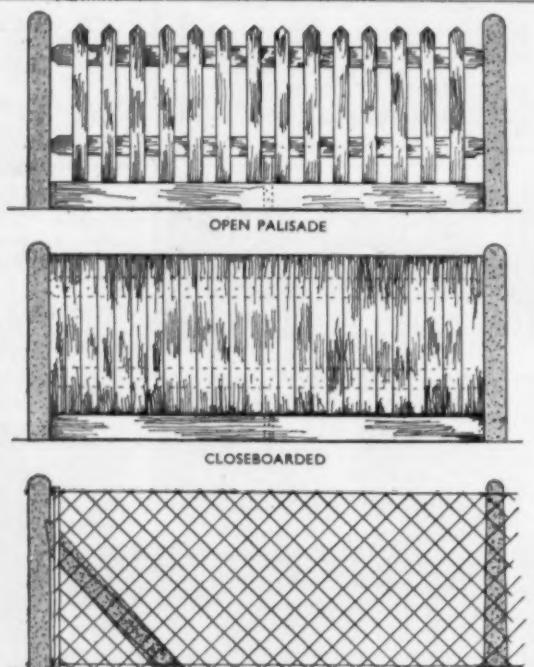
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APPOINTMENTS

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., or through the appropriate local authority, whose age limit is 18-50 inclusive, unless he or she or the employer is exempted from the provisions of The Notification of Vacancies Order 1952.

RURAL DISTRICT COUNCIL OF HATFIELD.

ARCHITECT'S DEPARTMENT.

APPLICATIONS are invited for the appointment of JUNIOR ARCHITECTURAL ASSISTANT on the Staff of the Architect to the Council, at a salary scale in accordance with Grade I A.P.T. Division (£490 x £15 x £535).

Preference will be given to candidates who have studied at a Recognized School of Architecture.

Applications with full details and accompanied by copies of two testimonials are to be addressed to Mr. J. H. Parker, A.R.I.B.A., Architect to the Council, 82, Great North Road, Hatfield, not later than Friday, 27th August, 1954.

E. F. CULL,
22nd July, 1954.
Clerk to the Council. [8189]

COUNTY BOROUGH OF ST. HELENS.

APPLICATIONS are invited for the appointment of SENIOR ARCHITECTURAL ASSISTANT, Grade A.P.T. VII (£735-£810) in the Borough Engineer's Department.

Applicants should be Registered Architects, preferably holding a recognised architectural qualification and have had experience in the design of educational buildings.

Housing accommodation will be made available if required by the successful candidate.

The appointment will be terminable by one month's notice and will be subject to the Local Government Superannuation Act and medical examination.

Candidates must, when making application, disclose in writing whether to their knowledge they are related to any member of the Council or to a holder of any senior office under the Council.

Applications stating age, qualifications, present and past appointments and details of experience, accompanied by copies of three recent testimonials must be forwarded to M. Ward, M.I.Mun.E., A.M.T.P.L., Borough Engineer, not later than Monday, 16th August, 1954.

Canvassing in any form will be deemed a disqualification. [8194]

BRITISH ELECTRICITY AUTHORITY.

MIDLANDS DIVISION.

TWO SENIOR DRAUGHTSMEN (Architectural) are required in the Generation (Construction) Department at Wolverhampton. N.J.B. service conditions. Superannuable appointments, salaries within Schedule "D" of the Agreement, Grade 5, £567-£671 per annum.

Applicants should preferably have had experience in the layout and design of main and auxiliary buildings associated with generating stations. Sound technical education and training are required. Appropriate technical qualifications an advantage.

Good conditions of employment and holidays; opportunities for broadening experience in all branches of civil engineering; canteen facilities available.

Apply, quoting Vacancy No. 729MD on form AE6, available from the Establishments Officer, 53, Wake Green Road, Molesey, Birmingham, 13, by 28th August, 1954. [8206]

LONDON ELECTRICITY BOARD.

ASSISTANT QUANTITY SURVEYOR.

APPLICATIONS are invited for the above position in the Construction Branch of the Chief Engineer's Department in Central London.

Applicants should be experienced in the preparation of Bills of Quantities in all their stages, measurement of variations and remeasurement of contracts, and the successful candidate will work under the direction of a Chartered Quantity Surveyor.

The post is graded under Schedule "C" of the National Joint Board agreement as Grade 5—£681 9s per annum, rising to £900 18s per annum, inclusive of London Allowance.

Application forms obtainable from Personnel Officer, 46, New Broad St., E.C.2, to be returned completed by 21st August, 1954. Please enclose addressed envelope and quote ref. V/1788 AA on envelope and all correspondence. [8208]

ANNOUNCEMENTS

• CONTRACTS • TENDERS

Close for press 1st post Monday for following Thursday Issue

APPOINTMENTS—contd.

URBAN DISTRICT COUNCIL OF CORBY.

ARCHITECTURAL ASSISTANTS.

APPLICATIONS are invited for the under-mentioned appointments on the established staff of the Council's Engineers & Surveyor.

(1) CHIEF ARCHITECTURAL ASSISTANT. Salary in accordance with Grade A.P.T. VIII division of the National Scale of Salaries commencing at £760 per annum (£760-£835). Applicants must have considerable and varied experience in design, construction and supervision of contracts, including local authority supervising.

Candidates must be Registered Architects and preferably possess the A.R.I.B.A. qualifications.

(2) ARCHITECTURAL ASSISTANT.

Salary in accordance with Grade A.P.T. V division of the National Scale of Salaries commencing at £595 per annum (£595-£645). Applicants must have not less than two years' experience in an architect's office (exclusive of pupils) and have passed the R.I.B.A. intermediate examination, or its equivalent, at a recognized School of Architecture.

The provisions of the Local Government Superannuation Act, 1937, will apply in respect of each appointment. Housing accommodation will be made available to the successful candidates if married.

Forms of application may be obtained from the undersigned, and requests therefor should indicate the position for which application is being made. Completed forms must be received not later than 12 noon on Tuesday, the 17th August, 1954.

G. B. BLACKALL,
Clerk of the Council.

Council Offices,
Corby,
Northants.
29th July, 1954.

[8207]

BOROUGH OF WILLESDEN.

APPOINTMENT OF JUNIOR ARCHITECTURAL ASSISTANT.

GENERAL DIVISION SALARY SCALE (MALES)

APPLICATIONS are invited for the above appointment on the permanent staff of the Borough Engineer and Surveyor's Department. Applicants must be Probationers of the R.I.B.A. or have attained a standard of education acceptable to the R.I.B.A. for registration as a Probationer.

The salary payable is within the range of £170 at 16 to £470 per annum at 30 years of age fixed on a basis of age. This is subject to the addition of London Weighting, which is £10 at age 16 increasing to £20 at age 21 and £30 at age 26 years.

Full details and form of application can be obtained from the Borough Engineer and Surveyor, Town Hall, Dyne Road, Kilburn, N.W.6, applications to be returned to the undersigned not later than 9 a.m. on Monday, 16th August, 1954.

R. S. FORSTER,
Town Clerk.

Town Hall,
Dyne Road,
Kilburn, N.W.6.
27th July, 1954.

[8209]

BELFAST EDUCATION COMMITTEE.

COLLEGE OF TECHNOLOGY.

Principal: D. T. Alexander, O.B.E., M.Sc., W.H.Sch., M.I.Mech.E., M.I.Mar.E.

COLLEGE OF ART.

SENIOR LECTURER IN ARCHITECTURE.

APPLICATIONS are invited for the position of SENIOR LECTURER IN ARCHITECTURE. Applicants must have followed a full-time course at a recognised School of Architecture. They must also be Associates of the Royal Institute of British Architects, and have had adequate office experience.

The salary attached to the position is £900 per annum, rising by annual increments of £25 to £1,100 per annum.

Further particulars and forms of application may be obtained from the Principal, College of Technology, Belfast, with whom applications must be lodged not later than Tuesday, 31st August, 1954.

J. STUART HAWTHORN,
Director of Education.

[8211]

APPOINTMENTS—contd.

KENT EDUCATION COMMITTEE

MEDWAY COLLEGE OF ART

Eastgate, Rochester, Kent.

Principal: C. Stanley Hayes, A.R.C.A. (Lond.).

DEPARTMENT OF ARCHITECTURE

REQUIRED as soon as possible part-time STUDIO MASTERS for the above Department. Applicants should be members of the R.I.B.A. qualified by examination. Full details should be given in application.

Application by letter giving brief outline of professional and teaching experience should be forwarded to the Principal within 14 days of the appearance of this advertisement. [8199]

NOTTINGHAMSHIRE.

APPOINTMENT OF COUNTY ARCHITECT.

THE Nottinghamshire County Council invite applications from Registered Architects who are either Fellows or Associate Members of the Royal Institute of British Architects for the appointment of COUNTY ARCHITECT.

The salary will be £2,450 per annum rising by annual increments of £100 to £2,750 per annum together with a motor car allowance in accordance with the Council's scale.

Candidates must possess sound administrative and organising ability and have a wide knowledge and experience of architectural work with a local authority. Full particulars of the appointment may be obtained from my office and completed applications should reach me by 17th September, 1954.

Canvassing directly or indirectly will be a disqualification.

A. R. DAVIS,
Shire Hall,
NOTTINGHAM.
July 1954. [8200]

CITY OF BIRMINGHAM.

CITY ARCHITECT'S DEPARTMENT.

APPOINTMENT OF ASSISTANT ARCHITECTS.

SCHOOLS SECTION.

(a) SENIOR ASSISTANT ARCHITECT—Grade A.P.T. IX (£840-£960 per annum).

(b) SENIOR ASSISTANT ARCHITECTS—Grade A.P.T. VIII (£785-£860 per annum).

(c) ASSISTANT ARCHITECTS—Grade A.P.T. VI (£695-£760 per annum).

HOUSING AND GENERAL SECTIONS.

(d) ASSISTANT ARCHITECT—Grade A.P.T. (£735-£810 per annum).

(e) ASSISTANT ARCHITECT—Grade A.P.T. V (£620-£670 per annum).

The Department is carrying out a large major School Building Programme and for (a) and (b) the successful candidates will be required to have an extensive knowledge of the planning, design and erection of all types of school buildings in both traditional and non-traditional construction.

Applicants must be Associate Members of the R.I.B.A., or hold an equivalent qualification.

The posts are permanent, superannuable, subject to a medical examination, and to one month's notice on either side.

Applications, endorsed with the heading of the post, stating age, present position and salary, qualifications and experience, together with the names of two persons to whom reference can be made, should reach the undersigned not later than 16th August, 1954.

Canvassing disqualifies.

A. G. SHEPPARD FIDLER,
Civic Centre, Birmingham, 1. [8202]

FLINTSHIRE COUNTY COUNCIL.

APPLICATIONS are invited for the appointment of QUANTITY SURVEYORS (2 vacancies) in the County Architect's Department; salary according to qualifications and experience up to Grade VII/VIII (£735 p.a., rising to £860 p.a.). Applicants should be Members of the Royal Institute of Chartered Surveyors (Quantities) and should be capable of preparing Bills of Quantities, estimates, measuring up and dealing with Contractors' accounts for large contracts, and should preferably have had good experience in the office of a Local Authority. Applications, on a form to be obtained from the undersigned, should be returned by 23rd August, 1954.

W. HUGH JONES,
County Buildings,
MOLD. [8205]

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COUNTY BOROUGH OF BRIGHTON**

TENDERS are invited for the erection of NEW HOLLINGDEAN SCHOOLS, Brighton.

Bills of Quantities and Forms of Tender may be obtained from the Borough Engineer & Surveyor, 26/30, Kings Road, Brighton, on or after 18th August, 1954, on receipt of a returnable deposit of £3 3s.

Tenders are to be delivered to the Borough Engineer & Surveyor's office in plain sealed envelopes not later than 12 noon on 6th September, 1954.

W. O. DODD,
Town Clerk.
[8195]

EDUCATIONAL**I.A.S.****FORTHCOMING EXAMINATIONS.**

THE Incorporated Association of Architects and Surveyors will hold the following examinations during the week beginning 15th November, 1954.

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Final grade—Part I (Relegations only).

Final grade—Part II.

Direct Final grade (Relegations only).

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Final grade—Part I (Relegations only).

Final grade—Part II.

Direct Final grade (Relegations only).

The examinations will be held in London, and at selected provincial centres. Applications from candidates for permission to sit, made on the prescribed form, must be received no later than Monday, 23rd August, 1954.

Full information on application to the General Secretary, I.A.S., 75, Eaton Place, London, S.W.1. [8103]

MISCELLANEOUS SECTION

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ARCHITECTURAL APPOINTMENTS VACANT—contd.

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SITUATIONS VACANT

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., unless if the applicant is a man aged 18-64 or a woman aged 18-59 inclusive, unless he or she or the employer is excepted from the provisions of The Notification of Vacancies Order, 1952.

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DRAUGHTSMEN and Surveyors (Senior and Junior) required by building & civil engineering contractors, Weybridge, Surrey, permanent and progressive positions for suitable applicants.—Apply stating age, experience and salary required to Box 6955. [8196]

AGENTS and Supervisors required by building and civil engineering & sports ground contractors, Weybridge, Surrey, permanent and progressive positions for suitable applicants.—Apply stating age, experience and salary required to Box 6956. [8197]

GOLLISS, MELVIN, WARD & PARTNERS, require senior and junior staff with office experience and interest in contemporary architecture; capable working drawings essential.—Telephone Welbeck 9991. [8198]

SITUATIONS WANTED

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ANNOUNCEMENT

MR. W. F. GRANGER, F.R.I.B.A., is leaving the Ministry of Works to take up an appointment with A. Roberts & Co., Ltd., in an advisory capacity. His new appointment will commence on 1st September next. [8201]

MISCELLANEOUS

NOTTINGHAM area.—Workmen's transport—let us quote you.—A. Camm, 25, Churchfield Lane, Nottingham. Tel. 77914, 79466. Contractors to the leading contractors. [8164]

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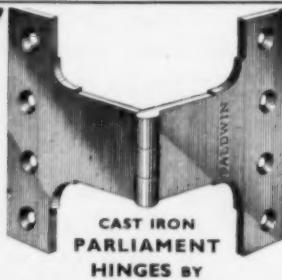
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